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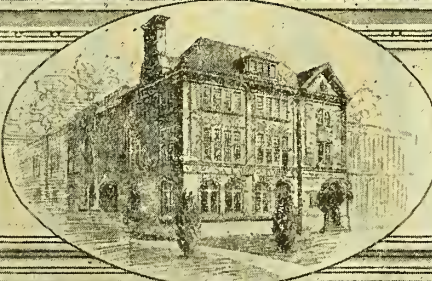
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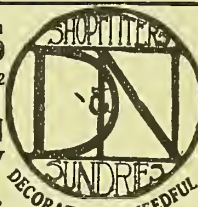
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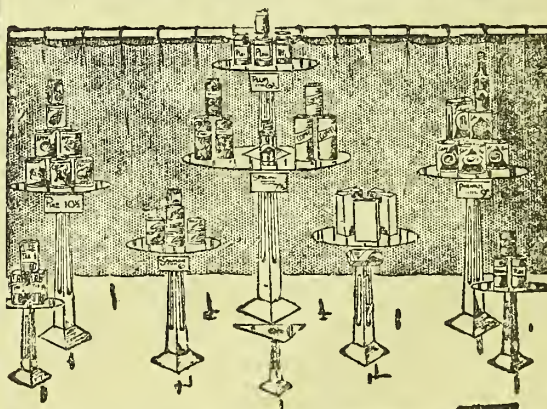
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Until MILTON was discovered, the only purifiers known were corrosive disinfectants. These were and are most serviceable, but must be used with extreme care, and in any case they emit a disagreeable odour. Now that the housewife has found Milton the new purifier, she can discard the disinfectants and employ Milton everywhere for every purifying purpose. It is safe and harmless—even a tiny baby could play with it without injury. In future do not use disinfectants, but only

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**1/- & 2/- Bottle**  
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**MILTON**

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**1/- & 2/- bottle**  
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Did we hear you say? **WE AGREE.**

Well! They're there now, locked, barred and bolted, and we want your co-operation.

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**LAWSON FLY=QUIT** kills flies and other winged pests. It is a concentrated fluid which dilutes 1-15 or 1-20 to a most pleasant emulsion which in the Lawson Patent Sprayer can be atomised to a fine penetrating spray. The Lawson Fly Barrage thus created kills and keeps off house flies of every description, mosquitoes, etc.

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The publicity which will be given to the FLY=QUIT Crusade this summer will ensure a big demand for FLY=QUIT products. This demand is sudden—a burst of hot weather brings out millions of flies—and you will therefore be rightly advised to stock Lawson FLY=QUIT *now* in readiness for the hot weather demand.

## *Special Offer*



For 30/- we will send 1 dozen 3/9 Boxes each containing three phials Lawson FLY=QUIT, a good supply of FLY=QUIT literature and display matter, and one 7/6 Lawson Patent Sprayer for demonstration *free*.

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Every box of Lawson FLY=QUIT contains a voucher enabling buyers of Lawson FLY=QUIT to obtain a Lawson Patent Sprayer at cost price.

**LAWSON & CO. (Bristol), Ltd., St. Philip's, Bristol.**

**WE** are making Lamp-blown Glassware, such as Ampoules, Hypodermic Tubes, &c., in England. Let us have your inquiries. You will find our prices competitive and our deliveries smart. Besides, we also have varied stocks of Glass Bottles. Send us your inquiries and ask for our Stock List.

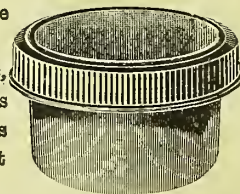
Stocks kept of Porcelain Pomades with celluloid caps, 1, 2 and 4 oz.

Octagon Pomades in Porcelain (1 & 2 oz.) can also be supplied. Write for prices.



Sole Agents for the  
"SOLIDITE"

Composition Corks, made in various sizes and colours. Samples and prices will be sent on application.



**JULES LANG & SON**, Charlton Works, Charlton Place, ISLINGTON, LONDON, N. 1.

Telegrams: "Assorted, Nordo, London."

Telephones: North 1344-5 (2 lines).

Sole Proprietor:  
**FERNAND RENÉ LANG.**

# METHYLATED SPIRIT

## OILS AND CHEMICALS.

Buy from one of the Oldest Houses in the Trade.  
**Write for Prices. ESTABLISHED 1794.**

**SAMUEL THORNLEY, LTD., BIRMINGHAM**

**PIFCO, LIMITED.**

**THIS IS THE TIME TO BUY.**

**LOWEST Trade Rates** quoted on application for Flash Lamps, Torch Cases, Bulbs, Batteries, and Gas Mantles. Good Deliveries, Order now for Next Season.

**WE** have large range **POCKET LAMP CASES**

**ALL SIZES REFILLS.**

**Cheapest House in the Trade.**  
"PIFCO" HOUSE, HIGH STREET,  
**MANCHESTER.**

**TORCHES.** 5" to 8½" in great variety.

**Good range Ladies' POCKET LAMPS** (Nickel and Leather).

## PURE ESSENTIAL OIL OF HOP.

PRICE AND INFORMATION FROM THE DISTILLERS:

**WHITE, TOMKINS & COURAGE, Ltd.**

Head Office:

48 Mark Lane, LONDON, E.C. 3,  
and at LIVERPOOL, BELFAST, BOSTON.

**SOLYPTOL SOAP**

A high-grade Toilet Soap of marked Antiseptic properties. Non-irritating. Agreeably perfumed. Lathers in hard water. Assists the complexion. Heals cuts & abrasions. Invaluable in the Nursery.

**TOILET SOAP** in 3-tablet boxes.

**SHAVING STICKS**, each in a carton, packed half-dozen in a display case, with protecting sheath.

**F. H. FAULDING & CO.**, 54 Ct. Tower St., London, E.C. Adelaide, Perth, Sydney, Australia.

Stocked by all Patent Medicine Vendors and the Principal Stores.



ON ACTIVE SERVICE.  
ANTI-VERMIN CAMPAIGN.

It is quite unnecessary that our fighting forces  
should be plagued with body vermin.

MAW'S

Anti - Vermin Trench Powder

renders the user absolutely IMMUNE from attack.

We strongly advise the powder in preference to  
medicated vests, etc., as it is more effective and  
very much more convenient to use.

Confirmation of this is amply shown by the  
remarkable volume of testimony we have  
received from actual users at the front.

PRICE - 4/6 per dozen.

Retails at 7½d.

**Maw's**

S. MAW, SON & SONS, Ltd.

7/12 ALDERSGATE ST., LONDON, E.C.

TELEPHONE—CITY 7, PRIVATE BRANCH EXCHANGE.

TELEGRAMS: "ELEVEN, CENT, LONDON."

CABLEGRAMS: "ELEVEN, LONDON." Code: A B C (4th & 5th Ed.).

Hours of Business: 8.30-5.30. Close at 1 p.m. Saturdays.



# DANDERINE FOR THE HAIR.

## NEW PRICES.

On and after July 1, 1918, the prices of the KNOWLTON DANDERINE CO.'S Specialities for Great Britain and Ireland will be as follows:

	Advertised Retail Price	Minimum Protected Price P.A.T.A.	Net Trade Price per Doz.
Danderine ....	1/3	1/3	12/6
Danderine ....	2/6	2/6	25/-
Danderine ....	4/6	4/6	40/-
Danderine Soap ....	1/3	1/3	12/6
Knowlton's Massage Cream	2/9	2/9	25/-

DANDERINE is being advertised continuously in all the leading newspapers throughout Great Britain and Ireland. In view of the greatly increased Sales, we suggest every Chemist should examine his stock of DANDERINE and place orders with his wholesaler well ahead—in order not to lose business through being out of stock.

PROPRIETARY AGENCIES, Ltd., 179-181 Acton Vale, LONDON, W.3.

## FIELD'S "SIANARA" Toilet Soap

(Regd.)

With the Enchanting Perfume of OLD JAPAN.

A SUCCESSFUL NEW LINE,

SUPPLIED IN

STANDARD 4d. SIZE & SHAPE

ALSO

4d., 5d., 6d., & 7d. ROUND BATH,

Let us quote you for your Proprietary Soaps.

**J. C. & J. FIELD, Ltd.,** Toilet Soap Experts. **LONDON, S.E.1.**

Telegrams: "OZOKERIT, PHONE, LONDON."

ESTABLISHED 1642.

Telephone: HOP 3905.



FINEST  
QUALITY*Norwegian*MEDICINAL  
NON-FREEZING**COD LIVER OIL****ISAAC SPENCER & CO., (ABERDEEN) LTD.,****ABERDEEN,**  
SCOTLAND.

For the **ATTENTION** of the  
**DISCRIMINATING CHEMIST**

**LABELS  
IN BLACK  
AND COLOUR,  
BANDS,  
SEALS,  
ETC.**

**T**HE Distinctive Quality of  
our Printing & Stationery  
for Chemists & Druggists  
has received universal  
approval for more than  
— 90 YEARS. —

**DESIGNS  
FOR  
PERFUMERY  
AND ALL OTHER  
FANCY  
PREPARATIONS.**

**SUTTLEY & SILVERLOCK, LIM<sup>D</sup>**

**CHEMISTS & GENERAL LABEL PRINTERS,  
BLACKFRIARS, LONDON, S.E.**



# Ingram's MILKWEED CREAM

Has been CONSISTENTLY ADVERTISED in the best AMERICAN and CANADIAN PERIODICALS for twenty-five years.

A Medicinal Toilet Cream with a world-wide demand that is rapidly increasing. Two sizes : 2/-, per dozen 16/-; 4/-, per dozen 32/-

Prepaid Parcel Post to Great Britain and her Asiatic and African Colonies. Samples and store displays free with every order.

**Introductory Offer. Cost £2; Retails 60/-—Profit 20/-.**

$\frac{1}{2}$ Doz.	Ingram's Milkweed Cream	...	...	Retails 2/-	Price 8/-
$\frac{1}{2}$ Doz.	" Velveola Souveraine (Face Powder)	"	"	2/-	" 8/-
$\frac{1}{2}$ Doz.	" Zodenta Paste for the Teeth	"	"	1/-	" 4/-
$\frac{1}{2}$ Doz.	" Rouge, Light, Medium, Dark	"	"	2/-	" 4/-
$\frac{1}{2}$ Doz.	" Perfume, 1 oz. assorted in fancy packages	...	...	4/-	" 16/-
100 Guest Room Packages free.					£2

**Shipped via Parcel Post Prepaid.**

Send us with your order the names of 100 of your lady customers, and we will mail each of them a handsome folder, inviting them to call at your store and get our Guest Room Package free, containing one each of the above in sample sizes, including Perfume.

If more convenient to you, specify shipments from our Canadian Plant.

FREDERICK F. INGRAM COMPANY (Established 1885).

411 Lafayette Boulevard, Detroit, U.S.A. Canadian Plant: Windsor, Ont.



Twenty-five years' continuous advertising has made this trade mark known wherever American and Canadian publications are read.

## "LESCOL" FLORAL PERFUMES

### NOTICE !

*We strongly advise Chemists before purchasing their Toilet Specialities to send us particulars of their requirements, and complete Price List will be sent, or one of our representatives will call with full set of samples when in their vicinity.*

**We are holding a large stock at remunerative prices**

**LESCOL PERFUMERY CO.,**

Lomond Grove, Camberwell Green,  
LONDON, S.E. 5.

Telephone: 810 HOP.

(Proprietors: The London Essence Co.)

Telegrams: "VANILLIN, CAMBER, LONDON."



# 1868 to 1918.

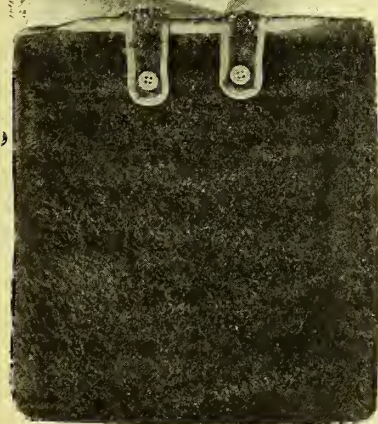
"Come on my lords, the better foot before"



Rubber  
Hot Water  
Bottles

There is really no reason why you should get into a Water Bottle in 1918 and the best gets as up to it is at evening and the very young the Water Bottle is found to be necessary in many a child and is con- sidered to be a useful sleep.

In various sizes from 8 to 12  
Quintessence of the Best MANUFACTURED



**COSY COVERS**

in red or grey plush;  
also flannel, as illustration.

# Hot Water Bottles

During the coming winter Cold Feet will be as plentiful as ever, but Hot Water Bottles will in all probability be scarce. These Bottles are BRITISH throughout; carefully made of a very fine quality of white, smooth-finished stock with especially strong seams.

We have just had a limited delivery, and offer them at the prices quoted below:—

SIZES			PRICE per bottle	1 Doz. lots at
8 by 6	...	...	3/10	3/8
10 " 6	...	...	4/3	4/1
10 " 7	...	...	4/6	4/4
10 " 8	...	...	4/11	4/9
12 " 6	...	...	4/8	4/6
12 " 8	...	...	5/4	5/2
12 " 10	...	...	6/4	6/1
14 " 8	...	...	6/-	5/10
14 " 10	...	...	7/2	6/11
16 " 10	...	...	8/-	7/9
16 " 12	...	...	8/5	8/2

3 doz. bottles at 6/3 per lb.

**AYRTON, SAUNDERS & CO. LTD**  
LIVERPOOL



# "GLACIALINE"

The Original and Most Effective Food Preservative

The only Food Preservative that has ever been publicly awarded Gold and Silver Medals and Certificates of Merit for Purity and Harmlessness.



Full directions for use enclosed in every package.  
Packed in 6d. and 2/- Packets and 2/3 Canisters.

FAVOURABLE TRADE TERMS UPON APPLICATION TO THE

Sole Proprietors and Manufacturers:

**BURTON, BAKER & CO.**  
16 EASTCHEAP, E.C. 3.

OVER 40% PROFIT.

# RELENTA

THE BRITISH APERIENT WATER.

**12/- PER DOZEN.**

Carriage paid on full and empties.

2/- per doz. allowed for empty bottles.

5% discount Monthly settlement.

FIXED RETAIL PRICE—

1/6 per bottle (P.A.T.A.)

**SCHWEPPE'S Limited,**

SOLE PROPRIETORS.

LONDON—Vauxhall Walk, S.E. 11.

# "SOLAZZI" LIQUORICE JUICE

THE CHEMISTS' BRAND.

**The Lancet' says: 'Of Standard Purity'**

Recommended also by *The British Medical Journal, Health, The Chemist and Druggist, Food and Sanitation.*

Ask for SHOWCARDS and HANDBILLS. To be obtained of all Wholesale Houses.

# CASEIN

ALIMENTARY AND INDUSTRIAL

*Dairy Produce Importers.*

**NIEUWHOF, SURIE & CO., LTD.**

Office: 5 LLOYD'S AVENUE, LONDON, E.C.

Works & Warehouses: 9 ALDCATE AVENUE, LONDON, E.

TELEPHONES - - AVENUE 34 & 35  
TELEGRAMS - - "SURICODON, LONDON."

# PURE ORANGE WINE

## A. MILLAR & CO., LTD., DUBLIN

VINUM AURANTII B.P.)

Prepared in strict accordance with the Formula of the British Pharmacopoeia.  
London Agent: JAMES STIRTON. 43 GREAT TOWER STREET, E.C.

(Wholesale only)



# ***To London Chemists Only***

WILL YOU PLEASE ASK YOUR CUSTOMERS TO RETURN  
SANATOGEN TINS AND FORMAMINT BOTTLES?

## **A Plan which will Benefit Everybody Concerned.**

**T**O waste nothing has long been the war motto of patriotic firms; and its importance is becoming more and more evident.

With labour and raw material both reduced to a minimum, why should empty Sanatogen tins be thrown away when they can easily be sterilised, re-labelled, and thus be made fit for active service again and again?

Ultimately, of course, a tin thrown away reaches the smelting-heap, and may thus be transformed into a new Sanatogen tin; but time, money, and labour are all wasted in the process. How much better for the customer to return it to us through you, so that we can at once re-utilise it in the manner indicated.

Both you and the public will benefit by this arrangement, as well as ourselves; for not only will adequate allowance be made to the customer and the retailer for their trouble, but we shall also be enabled to supply the market with Sanatogen and Formamint more quickly and abundantly than we otherwise could.

Here is our scheme, and if London Chemists support it, we hope to extend it shortly to the Provinces also.

### **EMPTY SANATOGEN TINS, WITH LIDS.**

For all sizes allow your customer a  $\frac{1}{2}$ d. each—say 1/6 for 3 dozen—and we will collect at our own expense, allowing you one 5/- size for each 3 dozen.

### **EMPTY FORMAMINT BOTTLES, WITH CAPS.**

Allow your customer a  $\frac{1}{2}$ d. per bottle—say 1/- for 2 dozen—and we will allow you one bottle (2/2) for every 2 dozen, collecting at our own expense.

You will be put to no expense, and practically no trouble; for all you need do is to send us a postcard, postage on which we will refund.

## **SPANISH "FLUE"**

***No Shortage of FORMAMINT!***

# **GENATOSAN LIMITED**

*(British Purchasers of The Sanatogen Co.)*

**12 Chenies St., London, W.C.1.**

Chairman :  
Lady Mackworth.



# NELSON'S



Stop Flow of Blood at once.

*Retailed 6d. each*

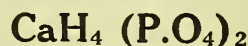
A  
Boon  
to Shavers.

**3/6**  
per doz.

Invaluable  
for Insect  
Bites.

Stocked by Barclay, Edwards,  
Maw, Newbery, Sanger,  
&c.

# KREMOFOS



SUPERSEDES CREAM TARTAR

Answers all requirements of the Food and  
Drugs Acts, under 2 % Sulphates.

Superior from health standpoint.

*Normal Strength*, 100 parts neutralise 50 of  
Soda Bicarb. 1/6 lb.

*75 % Strength*, 100 parts neutralise  
75 of Soda Bicarb. 1/8 lb.

From all Wholesalers.

Sole  
Proprietor :

# JOHN LORIMER

10 CITY ROAD, LONDON, E.C. 1.

Telephone : 2215 LONDON WALL.

Cable Address. "SELGOG, LONDON."

## THE MOST ECONOMICAL INFANTS' FOOD.



**LIQ. SANTAL FLAV.  
c. BUCHU et GUBEBA**

(Hewlett's)

Packed for dispensing only,  
in 10, 23, 40 & 90 oz. bottles.

"Experience has shown this  
preparation to possess the  
same efficacy as Santal Oil  
itself. It mixes clear with  
water, and has a taste by no  
means disagreeable."

*The Practitioner.*

# VIROPHOS

Of proved utility in Nervous Diseases,  
and a powerful Restorative for the  
Digestive Organs and Nervous System.

A Valuable Tonic Food for Children.

"It is of high nutritive value en-  
hanced by the presence of assimilable  
phosphates."—*The Lancet.*

WHOLESALE PRICES.

No. 1.	1½ oz. Tin ...	9/- per doz.
" 2.	3½ " " " "	14/6 " "
" 3.	6½ " " " "	24/- " "
" 4.	12 " " " "	42/- " "

**MIST. PEPSINAE CO.  
c. BISMUTHO**

(Hewlett's)

Packed for dispensing only,  
in 10, 23, 40 and 90 oz. bottles.

"Obviously likely to be of  
much advantage in the fre-  
quent cases of irritative  
dyspepsia, with atony of  
gastric or intestinal mus-  
cular layers.

*British Medical Journal.*



Introduced and Prepared only by C. J. HEWLETT & SON, Ltd., Wholesale Druggists, 35-42 Charlotte St., London, E.C. 2.



# STOVAINE

**THE LEAST TOXIC OF LOCAL ANÆSTHETICS  
USED IN THE SAME WAY AND AS EFFICACIOUS AS COCAINE**

Does not create a habit and does not give rise to headaches,  
nausea, vertigo or syncope. :: :: *Literature on demand.*

**NO HOME OFFICE LICENSE REQUIRED**

Cheaper than Novocain and Benzocain and obtainable promptly  
in practically unlimited quantities from the manufacturers :

**LES ETABLISSEMENTS POULENC FRERES**

**— 92, RUE VIEILLE DU TEMPLE, PARIS. —**

*On the P.A.T.A.*

## JULES DENOVAL'S SANTAL OIL CAPSULES

per **31/-** doz.

(Minimum Retail 3/6 per box).

SOLE MANUFACTURERS:

**Jules Denoual & Co.**

CARLTON WORKS,  
ASYLUM ROAD, PECKHAM, S.E. 15

## CHALLIS'S SYRUP

IS AN

*Influenza Antidote*

1/3, 3/-, 5/-

Wholesale—SANGERS'.

## Dr. Allinson's Food Preparations

FOR ALL AGES AND CONDITIONS OF HEALTH AT FIRM AND PROTECTED PRICES.

Food for Babies, Prepared Barley,  
N. F. Cocoa, Biscuits, Wholemeal, &c.

See Trade Mark "T. R. Allinson" on all our goods—None Genuine Without.

### SPECIAL NOTICE.

We issue a list of WHOLESALE HOUSES who keep above in stock; if for any reason you have difficulty in obtaining supplies, please send postcard direct to us, and a list will be sent to you by return.

**NATURAL FOOD COMPANY, Ltd.,**  
Cambridge Road, Bethnal Green, LONDON, E.

All advertising matter—Booklets, Window Displays  
Showcards, etc., free on application.

N.B.—Our goods are to be sold only at prices stated upon the Price List we issue to the trade, and we are pleased to exchange any article which may be out of condition.



## WHOLESALE! WHY KEEP YOUR CUSTOMERS WAITING?

*"Awaiting supplies; kindly re-order"—A recent reply from a Wholesaler.*

A short time ago some Retailers informed their Customers that Pomeroy Skin Food was not now obtainable. How such an impression got about, we do not know; it is very, very far from the truth.

Now we hear of a Wholesaler writing his Customer as quoted above: "Awaiting supplies; kindly re-order." The solution of the trouble in this case is easy—the Wholesaler had allowed his stock to get too low.

There is a far larger demand for Pomeroy Skin Food nowadays, and there is greater difficulty in producing it and in delivering. But goods are dispatched still within three or four days of receipt of order, which, after all, is not a matter for complaint. However, if Wholesalers will look to their stocks and keep a little ahead of requirements, there need not be any delay in executing Chemists' orders.

## POMEROY SKIN FOOD

*YOUR ORDERS can be filled from the Pomeroy Laboratories in less than a week.*

Mrs. POMEROY, Ltd., 115 Harwood Road, Walham Green, London, S.W. 6

## BRITISH NOW



Send for  
Price List and  
Trading Terms.

**ODOL**  
Chemical Works,  
BERKHAMSTED.

C.V. & S.-3.

## LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,  
— Manufacturing Chemists —

**HULL.**

**I**NVITE the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

	P.A.T.A.	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	9d.		6/6
* " " " " " " " " " " " "	bottles in cartons	2/-	16/-

We regret that we are not able now to supply the 1/6 tins of Losall's Salt.

*\*Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.*

### LOSALL'S COMPOUND SULPHUR SOAP.

	Box.	Doz.
A valuable emollient medicated skin soap, especially suitable for use in Eczema. 3 Tablets in a box @ 8d.	2/-	18/-



**SAVE 3/- PER GALLON**  
**BY BUYING**  
**GUARANTEED GENUINE**  
**NEWFOUNDLAND NON-FREEZING**  
**MEDICINAL COD LIVER OIL**  
**OF NEW SEASON'S MAKE.**

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

**WHOLESALE ONLY.**

*Kindly write for sample to*

**JOB BROS., Manufacturers, Tower Building, LIVERPOOL.**

Telegraphic Address: "JOB LIVERPOOL."

Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F.

Established 1780.

**BISHOP'S**  
**NATURAL FRUIT SALINE**

**T**HIS preparation, our latest Saline, made by our Special Process without SUGAR or SACCHARINE, is an unique Saline. It is strongly effervescent and delightfully palatable, making a bright, refreshing draught, which acts as a mild but very thorough aperient, antacid and liver stimulant.

**BISHOP'S NATURAL FRUIT SALINE** is taken regularly with pleasure and safety by men, women and children all the year round. This steady demand makes it a profitable winter line. It keeps perfectly in all climates.

*The Wholesale Price is 15/- per doz. Discount 10%, and carriage paid on £5 lots.*

*The P.A.T.A. Retail Price is 1/9 per bottle.*

*This ensures a profit of 7½d. a bottle to the Chemist.*

**Sold in P. S. Bottles with striking Litho. Cover.**

PREPARED ONLY BY

**ALFRED BISHOP, Limited**

48 SPELMAN STREET, LONDON, E. 1.



# PETROLEUM JELLIES

White, Yellow, Amber and Red.

*For Pharmaceutical and General Purposes.*

AMERICAN SPIRITS OF TURPENTINE,  
OLIVE, CASTOR, COLZA OILS,  
ROSIN, and LUX BLOOMLESS MINERAL OILS.

**James Arnott & Sons, Ltd.**  
Newcastle-on-Tyne and Cardiff.

THE  
**BRITISH WAX REFINING**  
COMPANY, LIMITED.

**WHITE BEESWAX**  
**YELLOW BEESWAX**

Slabs, Bars, Tablets or Discs

**CERESINE WAX**  
**Bleached Carnauba Wax**  
**Carnauba Wax Residues**

*All Waxes Refined, Bleached and Manufactured at our Works, REDHILL, SURREY.*

Registered Office:

**5 RANGOON ST., LONDON, E.C.3**

## NOTICE TO THE TRADE.

**A**NTICIPATING the extensive trade that would ensue immediately the properties of TOZANA became known to the public, we were careful before commencing our ADVERTISING CAMPAIGN to build our premises large enough to accommodate the demand.

WE ARE THEREFORE IN THE  
HAPPY POSITION TO SUPPLY ALL  
OUR ESTEEMED CLIENTS WITH-  
OUT DELAY.

**TOZANA**  
**HAIR FOOD**

If you are not sharing in the  
big TOZANA PROFITS write  
at once to

**TOZANA Perfumery Company, Ltd.,**  
257 Gray's Inn Road, London, W.C.



# There's Money in "REGINA"

PRICE'S  
"REGINA"



Shaving  
Stick

*The Handsome Profit on "REGINA" makes "REGINA" worth while. An Article that represents splendid value for the money "REGINA" is a really good trading proposition.*

ATTRACTIVE SHOWCARD  
ARRESTING PUBLICITY  
IMMEDIATE SALES

N.B. *Have you asked about "REGINA"?*

PRICE'S

BATTERSEA, LONDON, S.W.11



# Vaseline

Trade Mark Registered

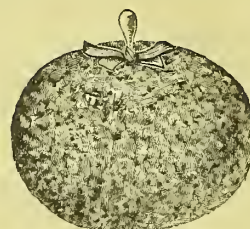
## PREPARATIONS.

IN consequence of the Government requiring all the space on steamers leaving New York for England, we have been unable to obtain our usual supplies, although there are large quantities of goods awaiting shipment at our factory, and will be forwarded as soon as accommodation can be secured on outgoing steamers from America.

Unfortunately, owing to enemy action, several large consignments have been entirely lost at sea, hence temporary shortage of some of our preparations. We are, therefore, compelled to ask the indulgence of our customers in the meantime for any delay or inconvenience that may arise under the circumstances stated, which are, of course, beyond our control.

**Chesebrough Manufacturing Co.**

42 HOLBORN VIADUCT,  
LONDON, E.C. 1.



FOR

## Powder Puffs

OF EVERY KIND.

**SOLPORT BROTHERS**  
LIMITED,

Wholesale and Export Manufacturers of  
Druggists' Sundries and Toilet Accessories,

184 to 190 GOSWELL ROAD,  
LONDON, E.C. 1.

OVER 100 % PROFIT  
ENSURED & PROTECTED (P.A.T.A.)  
for sellers of

## Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.	Minimum wholesale.	
1/-	1/-	7/6	
1/6	1/6	9/-	per doz.
2/6	2/3	15/-	less 5 %
3/6	3/3	21/-	discount

### SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz. do. 8 bottles gratis.

Do. 12 doz. do. 18 bottles gratis.

Equivalent in the case of the size in most general demand, viz. 1/6 size to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—

**C. R. HARKER, STAGG & MORGAN,**  
LTD.

**DEVON WHARF,**

Emmott Street, Mile End, London, E. 1.



## THE LIQUID VANISHING SKIN FOOD.

Guaranteed absolutely free from Glucose, Benzoin or Tragacanth, so cannot dry up the skin.

PAYS 40% ON MONTHLY BONUS TERMS.

Retail.	Size.	Price.	Free Bonus	on quantities named or pro rata
3 1/2 d.	1 oz. bots.	36/- per gross	2 doz. 9d.	with each gross.
9d.	3 oz. bots.	7/- per doz.	2 doz. 9d.	with each 6 doz.
1/3	6 oz. bots.	12/- per doz.	2 doz. 9d.	with each 4 doz.
2/6	12 oz. Bath-size bots.	24/- per doz.	2 doz. 9d.	with each 2 doz.

FREE IN ADDITION TO BONUS.

On £3 orders carriage paid.

Peach and Lilies Showcard (water-colour reproduction).  
Silent Salesman Showcase picturing Ellaline Terriss.  
Monster Show Bottle filled with genuine "Veldt" Cream.

Obtainable on bonus terms only from

**THE VELDT LABORATORY, Louth, England**

or through our Special Agents.

AYRTON, SAUNDERS & CO., Ltd., LIVERPOOL.



# Seasonable & Paying Lines to Stock ARE **COOK'S NICOTINE SPRAY**



No. 2.



No. 1.

Half-pint bottles, **12/-** per dozen.  
Retail, **1/4** per bottle.

1-lb. tins, **18/-** per dozen.  
Retail, **2/-** per tin.

*SUBJECT TO USUAL TERMS.*

PACKAGES NOT SPLIT (12 tins or 12 bottles in box).

**THE INDISPENSABLE SPRAY FOR  
FRUIT TREES, POTATOES, ROSES, etc.**

ADVERTISED IN GARDEN PAPERS.

**EDWARD COOK & CO., LTD.**  
**BOW, LONDON, E. 3.**

# Alteration of Prices to Retail Distributors of **JOHN BOND'S** **"CRYSTAL PALACE" MARKING INK**

IT PAYS  
TO PUSH  
IT

6d. size, **3/6** per dozen. Minimum protected selling price, **5d.**

1/- " **6/6** " " " " " " **9d.**

This will show retailers a still larger profit on the 6d. size of no less than 43%. The rate of Profit on the 1/- size will remain the same.

**43%**  
Minimum  
Protected  
Profit.

Minimum order at Wholesale rates, one Gross of 6d. size amounting to 37/- or assorted order to same value 1/- size 68/- per Gross. Carriage paid on parcels of £5 and upwards. Smaller quantities should be ordered through any of the Wholesale Houses. When ordering, please specify if Heat or Non-heat is required.

Ⓒ A good assured minimum profit on *this* Marking Ink which will always make new customers. Ⓒ Compare with what you are paying for other makes, and NOTE the difference. Ⓒ Retailers need not fear with *this* make competition by cutters.

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## CENT. PER CENT. PROFIT.

### Used Safety Razor Blades

GROUND, SET AND SHARPENED, GOOD AS NEW, ON  
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**SATISFACTION GUARANTEED.**

*Send for Showcards, supplied post free.*

*All razor users readily catch on to the proposition to save and re-use their old blades.*

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**RETAIL 1/- PER DOZEN.**

**The Blade Sharpening Co., Lim.**

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PROFITS**

are made by selling

**TITTERTON'S  
CELEBRATED  
BRUSHES**

(Hair, Tooth, Nail & Shaving  
Brushes).

They have a world-wide reputation  
for excellence of quality, and perfec-  
tion of workmanship. Should be  
stocked by all Chemists desiring to give  
the public the best value for money.

**TITTERTON & HOWARD,**

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**What  
Is It?**

### CELLOPHANE

is pure Cellulose, **absolutely** air, grease,  
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Stronger than Gelatine, cheaper than Tinfoil.

An **ideal wrapping** for Drugs, Perfumery, Con-  
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Will keep your Goods, Boxes, Bottles, Labels,  
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(LECLERCQ & CHARÉLAT),

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You cannot offer or sell a more effective hair restorer and maintainer—one more natural in its principles and certain in its effects.

Your regular customers will want it from you, and if they do not obtain it at your store will be tempted to go elsewhere.

You will never have your stock of "KO-TAL-KO" tying up your capital uselessly—on the other hand, your repeat orders quickly follow.

My trade terms will suit you, for they allow you to make your proper and deserved profit, and you are working on sound business all the time.

### NOTE TRADE TERMS (P.A.T.A.)—

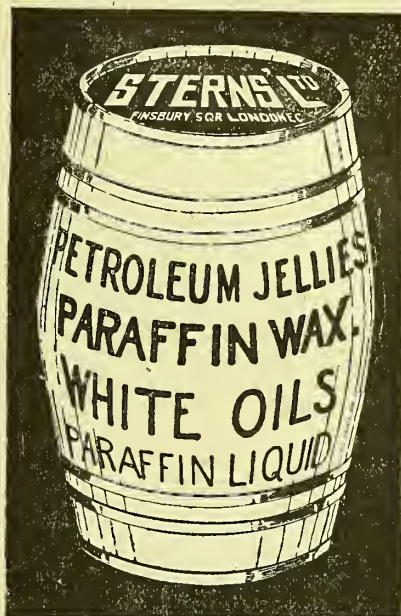
5/- Size ... .. 48/- per dozen  
12/6 " ... .. 112/6 "

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(Dept. C.D. I.)

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# KO-TAL-KO



## STERNS LIMITED

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# 10d



Make your  
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In bottles, 10d. each, in separate neat cartons, with suitable brush.

These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.

**NO GLOSS. NO POLISH.**

On the P.A.T.A.

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"Glossy" Series supplied if desired.

Special Non-Inflammable Series for Export. Est. 1878  
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## SNOW-WHITE OPAQUE ROLLED SKINS.

SOMETHING QUITE NEW. These Skins are damp and READY FOR USE. The raw material for Baudruche manufacture being now unobtainable, I have put this new production on the market in its place. ABSOLUTELY AS OPAQUE as Split skins and equal in appearance.

"Mine beat all others."

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THE CHEAPEST & MOST EFFECTIVE CAPPING EVER PRODUCED.



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in effect—is the  
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**SEMREH**

**BOTTLE CAPS.**

They **FIX** themselves,  
and when finished are  
**SIMPLE** yet **ARTISTIC**  
in appearance.

**THE VISCOSE**  
Development Co., Ltd.,  
**BROMLEY, KENT.**

Prompt dispatch can at  
present be given.



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COLLAPSIBLE TUBES**

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**NEW SOUTHGATE, LONDON, N.**

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CORK  
STOPPERS**

in  
all sizes  
suitable for  
**KALIS, CITRATES,  
DISPENSING, and all  
FLUIDS.**

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THE BEST FOR FACE AND TOOTH POWDERS  
PASTES, AND OINTMENTS.

**GREASE PROOF.**

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**Stipendum Stopper Co.**

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LIMITED**

specialise in the manufacture of  
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lowest prices:

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Cases****Oval and  
Round Tops**

for Powder Tins, Cruets,  
Dredgers, etc.

**Metal Boxes**

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**Ferrules**

for Walking Sticks, Whips,  
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**Pencil Fittings**

in any of the following metals:  
Brass, Copper or White-metal  
(nickel or silver-plated),  
Aluminium and Jewellers' Metal  
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*During the continuance of the War we cannot  
undertake orders to make any of the above goods  
requiring one or more of the metals for their  
manufacture of which the use for commercial  
purposes has been prohibited by H.M. Govern-  
ment; but we invite inquiries, as we still have  
some articles in stock which were made before  
the prohibition was issued.*

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Patent Powder Pills.

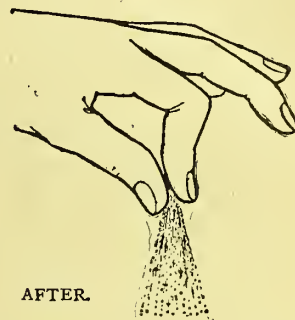


BEFORE.

A

CONTRAST

BETWEEN



AFTER.

Compressed  
PILLS

and  
TABLETS

Moulded  
PULVERETTES

Ingredients massed to a stiff paste, rolled and rounded; when dry as hard as iron.

*Result:* 235 out of 324 pills administered found in the fæces.

*B.M.J.*, 1913.

Ingredients mixed, and with the addition of talc and a lubricant subjected to intense pressure.

*Result:* Disintegration slow and irregular, often impossible; ineffective or cumulative, with consequent irritation and toxic dosage.

Ingredients thoroughly mixed *without any addition whatever*; enclosed in a *soluble*, easily friable chocolate shell; *uncompressed*.

*Result:* Immediate disintegration, regular absorption, certain and complete therapeutic action.

## Six Things Worth Remembering:

1. PULVERETTES are MOULDED, not COMPRESSED; are made in any shape, size or colour.
2. Only the finest drugs are to be found so prepared.
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4. PULVERETTES succeed in regular action where tablets and pills fail.
5. Prices are approximately equal to pills and tablets.
6. All medicaments possible to pills are obtainable as PULVERETTES.

*Send for Samples and Prices to the Patentees:*

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## BRITISH-MADE

### PHOTOGRAPHIC CHEMICALS.

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HYDROKINONE, ACID PYROGALLIC, AZOL—The Active Developer,  
SODA SULPHITE, SODA CARBONATE, POTASS. BROMIDE,  
&c., &c.

DEVELOPERS, TONINGS, &c., for AMATEUR TRADE,  
Packed in CARTRIDGES, PACKETS, SCALLOIDS & SOLUTIONS.



MOUNTANT. FLASHPOWDER.  
VARNISHES.

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Tels. : "Ideas Leeds."

'Phone : 1635

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General Printers,

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Are the people you require to  
execute your orders promptly  
and in first-class style.

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ENVELOPES & FOLDING BOXES  
A SPECIALITY.

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We shall be pleased to  
quote for your requirements.

## MECHANICAL DENTISTRY

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WITHAM - HULL.

'Phone—CENTRAL 1290.  
NO BRANCHES

High-Class Work  
at Moderate Prices

Reliable Staff under Personal Supervision.  
Punctuality Guaranteed, & Best Materials.



PURE

ACTIVE

ACCURATE

ACCEPTABLE

TRADE  
MARK**'TABLOID' BRAND****Antipyretics, etc.**

are in brisk demand.

See that your stock of these products is  
sufficiently complete and large to fill all  
prescriptions and repeats

*TYPICAL PRODUCTS:*TRADE 'TABLOID' BRAND  
MARK**Quinine and Camphor**

8/0 per dozen bottles of 25  
24/0 " " " 100

TRADE 'TABLOID' BRAND  
MARK**Quinine, Camphor  
and Aconite**

9/0 per dozen bottles of 25  
22/0 " " " 100

TRADE 'TABLOID' BRAND  
MARK**Quinine, Belladonna  
and Camphor**

8/0 per dozen bottles of 25  
22/0 " " " 100

TRADE 'TABLOID' BRAND  
MARK**Quinine Compound**

12/0 per dozen bottles of 25  
36/0 " " " 100

TRADE 'TABLOID' BRAND  
MARK**Ammoniated Quinine**

10/0 per dozen bottles of 25  
30/0 " " " 100

TRADE 'TABLOID' BRAND  
MARK**Ammoniated Quinine  
with Cinnamon**

(CAPSULE)  
16/0 per dozen boxes of 20

Prices subject. See also B. W. &amp; Co.'s List

**BURROUGHS WELLCOME & CO., LONDON**

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*"Pea" or "Feathery."*



TRADE MARK.

## MAGNES. SULPHAS

*"Needle."*

As manufactured at our Wharf Road Works, these Chemicals represent the highest attainable standard of purity and elegance.

They are guaranteed to conform not merely with the requirements of the B.P. 1914, but also with the stringent specifications of our well-known

## P.P.P. (Pure for Pharmaceutical Purposes) CHEMICALS

These attributes include :

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4. Ready solubility.
5. A form which renders the substance convenient to the pharmacist for handling.
- 6 Elegance of appearance which greatly enhances the value for retail sale.

**Prompt Delivery from Stock.**

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**THE BRITISH DRUG HOUSES, LTD.**  
**22-30 Graham Street, City Road,**  
**LONDON, N. I.**





A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.  
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of many Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

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Подписная цена на ежедневный журнал с приложением Годового Дневника—12 шиллингов 6 пенсов на год с пересылкой.

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Branches: MELBOURNE AND SYDNEY, AUST.

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## Coming Events.

### Sunday, July 7.

United Arts Volunteer Rifles, "D" Company (Pharmacists). At 10 A.M., parade at headquarters, Imperial College Union, South Kensington, S.W. (July 10 and 11 at 3 P.M., platoon parades; July 11, 8.30 P.M., presentation of shooting spoons at Progressive Pharmacy Club.)

### Tuesday, July 9.

Eastbourne 'Pharmacists' Association, 2A Terminus Buildings, at 8.30 P.M. Meeting.

### Wednesday, July 10.

British Pharmaceutical Conference, 17 Bloomsbury Square, London, W.C., at 11.30 A.M. Presidential address by Mr. C. A. Hill, B.Sc., F.I.C. A luncheon will take place afterwards, and members desiring places reserved for them must send a post-card intimation to Mr. R. R. Bennett, 22-30 Graham Street, City Road, London, N. 1.

Birmingham Pharmaceutical Association. Outing to Colshill at invitation of Mr. T. Hill. Train leaves New Street for Forge Mills at 2.15 P.M. (return fare, 2s. 3d.), and trains return from Forge Mills at 8.8 and 9.6 P.M. Tea will be provided, but members must bring food.

### Thursday, July 11.

Proprietary Articles Trade Association, Queen's Room, Holborn Restaurant, London, W.C., at 3 P.M. Annual meeting. At 4.30 P.M., annual meeting of the Chemists' Defence Association, Ltd.

Script Sports Club, Progressive Pharmacy Club, Arncliffe Hotel, Victoria Embankment, London, W.C., at 8 P.M. Presentation of the Maw challenge shield to the South-Western Chemists' Association. A concert will be arranged for the evening.

## European War News.

### Import and Export Notices.

HOLLAND AND DENMARK.—Exporters and others who have already sent in applications for licences for the export from the United Kingdom to Denmark and Holland of any of the following goods, and have been informed that consideration of their applications has been deferred pending a further announcement, are requested to renew the attention of the War Trade Department to their applications, and to quote in each case the reference number which has already been furnished. It should, however, be understood that it will only be possible to grant licences in approved cases, and in so far as British and Allied requirements will permit: China clay, acetylsalicylic acid, amidol and substitutes, arsenobillon, bromine, chamomile, digitalis, eucaïne, ferric compounds, hydrobromic acid, kharsivan, metol, nitrate of silver, opium (alkaloids of), salicylic acid, saltcake (subject to special conditions), sodium bromide, dyes and dyestuffs.

UNITED KINGDOM.—The Controller of the Department of Import Restrictions draws the attention of importers to the desirability of making application for the issue of import licences as long as possible before the expected arrival of the goods. This applies particularly to imports by parcel post. For some time past it has been the practice of the Department of Import Restrictions to send licences for imports by post direct to the Customs, in order that there should be no undue delay in clearing the goods from the parcels depôts on arrival. Importers are requested to co-operate, so far as lies in their power, in reducing the congestion in the mails. The "London Gazette" (July 2) announces the following alterations in the list of prohibited exports: *Headings deleted:* (A) Binoculars; (A) tooth-brushes; (B) capsicum; (A) capsicum, oleo-resin of; (C) aloë-juice; (C) iron, oxides of; (A) field-glasses; (B) fenugreek-seed; (A) paraffin-wax; (C) condiments (except table-salt) not otherwise prohibited; (A) tea; (A) spices and mixtures thereof; (C) vanillin, vanilla, and vanilla-pods. *Headings added:* (A) Binoculars and their component parts; (A) brooms and brushes; (A) capsicum, including oleo-resin of; (A) iron, oxide of, and mixtures containing iron oxides; (A) diatomite, or infusorial earth; (A) field-glasses and their component parts; (A) fenugreek-seed; (A) paraffin-wax, and mixtures and preparations thereof containing 20 per cent. and upwards of paraffin-wax, but not including waxed paper; (A) condiments (except table-salt) not otherwise specifically prohibited; (C) maté or yerba maté (Paraguay tea); (A) tea, including tea waste, sweepings, dust, and fluff, whether denatured or not; (A) spices and mixtures thereof, not otherwise specifically prohibited; (A) vanillin, vanilla, and vanilla-pods.

### Household Fuel and Lighting Order.

An Order made under Regulations 2f to 2j inclusive of the Defence of the Realm Act, and occupying seventeen pages of the "London Gazette," July 2, regulates the supply of coal, gas, and electricity to private houses and for industrial purposes where the industry, trade, or business is carried on in a dwelling-house or other building connected with a dwelling-house. Definite allowances of coal for fuel and lighting are laid down in the Order. For example, in a house of not more than six rooms the allowance of fuel for the year is not to exceed 5 or 6 tons, according to the area in which the premises are situated. Consumers may take the allowance of fuel to which they are entitled either in coal, gas, and/or electricity at their option in accordance with the following rules:

Anthracite to count as fuel at the same rate as ordinary coal.

Three tons of coke to count as 2 tons of fuel, and so on in proportion for other quantities.

Briquettes (not sold by weight and not exceeding 2½ lb. each in weight) to count as 1,000 to 1 ton.

15,000 cubic feet of gas to count as 1 ton of fuel.

800 Board of Trade units of electricity to count as 1 ton of fuel.

Allowances of gas and electricity are also to be made on a definite scale. For example, where there are four, five, or six rooms occupied, 11,250 c.f. of gas or 180 units of electricity is allowed.

Additional allowances for both fuel and lighting may be granted on the following grounds:

The presence of aged or infirm persons, invalids, or young children.

The occupation of separate rooms by lodgers.

The use of rooms for a business or profession in a dwelling-house or other building in connection therewith.

Night and day workers living in the same house.

B



Illness (temporary allowance to be granted on a medical certificate).

These allowances cannot be made except for good cause shown, and only to a very limited extent, as supplies of fuel permit. Additional allowances may also be made for industrial purposes, where an industry is carried on at home. Copies of the Order may be seen at every office or coal depôt at which a registered coal-merchant or licensed coal-dealer receives orders for coal.

#### Gas for Munitions.

The Ministry of Munitions has issued an Order regulating the production of gas. It applies to all gasworks excepting those which possess only coal-gas plants and have no means of scrubbing or washing their gas with oil or with tar. In their cases no protection is afforded in the event of the gas supplied not complying with their existing standards. By the provisions of the Order all gasworks which have facilities must scrub the whole of their coal gas to the fullest possible extent for the extraction of ammonia, toluol, and benzol. Where a benzol-recovery plant exists, scrubbing for toluol and benzol is to be effected with oil, and in other cases with tar. Regulations are also laid down dealing with the admixture of water gas with coal gas, limiting the extent of dilution by this means, and specifying the conditions under which the water gas shall be carburetted. Gasworks which from exceptional causes are unable to comply with the terms of the Order must notify the Ministry of Munitions, which, after consultation with the Board of Trade, will then issue instructions or directions to meet the special circumstances. Applications with reference to the Order should be addressed to the Ministry of Munitions, Department of Explosives Supply, Storey's Gate, S.W. 1, and marked "E. G. S."

#### Personalia.

PRIVATE HENRY BRAMWELL, East Lancashire Regiment, has been awarded the Military Medal for bravery in action. In civil life he was with W. Meadowcroft & Son, Ltd., essential-oil importers, Regent Street, Blackburn.

CAPTAIN DAVID LLEWELYN WILLIAMS, M.C., has been awarded the Médaille d'Honneur des Epidémies. The award, which is dated May 2, is decreed in recognition of exceptional services and devotion to duty in attending infectious patients and in carrying out measures for the suppression of infectious diseases. Captain Williams, who is a brother-in-law of Mr. R. E. Price, pharmacist, Rhyl, was at one time a pharmacist in business. He subsequently entered the medical profession, and after the passing of the National Insurance Act took up a position with the Insurance Commissioners for Wales. He joined the Army in January 1915.

#### Miscellaneous.

ENEMY PATENTS.—Licences have been granted to British Dyes, Ltd., to use two dye patents (24,652/10 and 15,165/13), and the same company has been granted licences to use thirty other patents belonging to enemy aliens, and at present vested in the Custodian.

USE OF MILK.—The Food Controller has issued a general licence under the Use of Milk (Licensing) Order, 1918, authorising until further notice the sale of any of the following milk preparations, whether in liquid form or otherwise, subject always to the provisions of the Sale of Food and Drugs Acts: Malted milk, coffee and milk, cocoa and milk, milk cocoa, milk and cocoa.

REXALL RECRUITS.—The Rexall Drug Stores in the United States have been designated by the Government as enrolling-stations for the U.S. Merchant Marine. There are about 7,000 Rexall Drug Stores in the United States, and men are being enlisted at a rate of over 6,000 per month. An advertising campaign has been commenced by the United Drug Co., in which the necessity is emphasised of a good response for men to man the numerous ships which are being launched. The number wanted at present is about 50,000 men.

GOVERNMENT CONTROL CENSURED.—Criticisms of Government administration in regard to priority permits for goods were expressed, at a recent meeting of the Leeds Chamber of Commerce, in respect of the failure of a local firm of chemists' sundriesmen to obtain a reason for the refusal of a permit for delivery of an order for a gross of clinical thermometers. The President of the Chamber commented on the frequent difficulty of obtaining permits, not on the merits of the case, but on account of the circumlocution and the unwieldy character of the administration of the Ministry of Munitions. The Lord Mayor observed that the absence of clinical thermometers might mean very serious inconvenience to local medical staffs. The Secretary was instructed to ask the Ministry for reasons for the refusal.

## Military Tribunals' Decisions.

SOUTHPORT.—The National Service Representative appealed for the withdrawal of the certificates granted to Mr. J. E. Grime, chemist and druggist (37), and Mr. J. Layland, chemist and druggist (41), managers of two branches of Boots, Ltd., in the town. Mr. E. S. Waring, chemist and druggist, of the firm's head office in Nottingham, explained that the two pharmacists held certificates of exemption from the Nottingham Tribunal. He said that when a review of pharmaceutical service all over the country was made it was left to the local Health Insurance Committees, Pharmaceutical Committees, and Military Service Representatives to make their own arrangements, or, alternatively, the cases could be dealt with by the Army Council and the National Health Insurance Commissioners. They accepted the latter alternative, and they sent the Commissioners full particulars of all the men at their shops. The decision of the Army Council and the Commissioners was that they should release 317 Class A men, and they did so. The National Service Representative said that he did not object to that statement, but under a new Order from the Ministry of National Service in May as to the further release of dispensing chemists he was instructed to go into the question of the needs of the population with the local National Health Insurance Committee. This had been done, and they went carefully through the lists of men engaged either as proprietor, manager, qualified or unqualified assistant, in the Southport district. As a result of that investigation a certificate was signed by himself and the Clerk to the National Health Insurance Committee, which gave a list including seven men employed by Boots, Ltd., who were not to be interfered with, but the conference agreed that these two men could be released for military service. He therefore asked the Tribunal to withdraw the certificates in accordance with those instructions. Mr. Waring said that the instructions from the Ministry to which the National Service Representative had referred were dated May 23, 1918: he would like to ask him if he had not received any instructions dated June 10. The National Service Representative said that he had those instructions, but they did not affect the position. Mr. Waring said that under those instructions there was no qualified man of Grade 2 called for of any age. He added that he was a member of the Central Pharmaceutical Committee which had pointed out to the Ministry that qualified men were the backbone of the business, which could not be carried on without them. The men in question were both qualified, and were in Grade 2, and he contended that under the present instructions they could not be taken. The National Service Representative pointed out that it did not follow that because they were told that they must not keep Grade 1 men they were bound to keep Grade 2 men. Mr. Waring: "You are leaving out the wants of the public. A chemist's shop cannot be opened anywhere unless there is a qualified person there." He added that the pharmaceutical service of the country had been largely depleted, and the Pharmaceutical Society in London received the request of the Ministry for the release of more men with considerable surprise; and he asked whether locally the position had been considered from the standpoint of the sale and dispensing of drugs and medicines. The National Service Representative then gave figures showing that the total number of prescriptions for Southport under the National Health Insurance Act was 38,000; and the number in these two shops was 105. Mr. Waring remarked that those figures only related to Insurance Act dispensing. The National Service Representative pointed out that Boots, Ltd., had another shop in each of the streets referred to. Mr. Waring said he understood that another firm of chemists had two shops close together. A member of the Tribunal asked if it was Mr. Waring's contention that the public needs of the town could not be catered for without keeping open Boots' four shops. Mr. Waring repeated that the figures produced only related to National Health Insurance dispensing, and said that during the year they had 72,457 customers at the drug-counter of one shop. If one shop was closed the man at the other shop could not deal with the diverted volume of business. The National Service Representative pointed out that of the thirty-five men who were being retained locally seven were employed by Boots, Ltd. Mr. Waring then contended that as the certificates were granted by the Nottingham Tribunal, that Tribunal was the proper authority to deal with those cases. The Deputy-Clerk to the Tribunal said the Nottingham Tribunal had referred the cases to Southport. The Tribunal granted the application for withdrawal, on condition that the men were not called up before August 1.

SOUTHWARK.—An assistant with Poingdestre & Truman, chemists, Old Kent Road, was exempted for three months.



## English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

### "Baby Week" Exhibition.

The "Baby Week" Exhibition, open from July 1 to 6 inclusive at the Central Hall, Westminster, contains several features of interest to pharmacists. Designed primarily to educate the infant-welfare worker, it comprises an attractive collection of exhibits. The scientific aspect of feeding, for example, is set forth with an amazing display of diagrams, apparatus, and photographs, chiefly under the auspices of the St. Marylebone Health Society. At this Society's stall there are, *inter alia*, two varieties of artificial milk—one prepared from linseed oil, and the other mainly from soya-beans and suet; and there is a sub-section, under the care of Mrs. Rfuk, devoted to the diet of the child after infancy. The Battersea Polytechnic has a selection of soap in slices, each tested in its hollowed centre with a spot of phenolphthalein solution for alkalinity, and in most cases resembling a jam-tart. One of the significant features of the Exhibition is the prominence given to the "No Dummy League," an institution now fully launched with challenge shield, roll of honour, coloured cartoons, and other adjuncts of propaganda. The condition of membership is that the applicant's baby has not used a dummy for three consecutive months, before inscription, "in the opinion of the Superintendent of the Centre, or some responsible official thereof," and mothers wishing to qualify must hand over their dummies to a "qualified official" at the beginning of the probation period, and "take a solemn promise not to get or use another dummy." Should, notwithstanding this vow, "the child of a mother inscribed on the Roll of Honour be subsequently seen with a dummy, her name will be erased by means of a red line drawn through it." The times are changed indeed. Proprietary foods were, as a whole, absent when we visited the Exhibition, as also were most of the nursery requisites that chemists supply.

### Birmingham.

The new Midland Laboratory Guild, which, it is understood, is subsidised by the Government, is to be run by a staff consisting largely of ladies.

Tinct. quin. ammon. is at the top of the list of influenza-remedies here. The record, so far as is known, for its sale in one shop in one day is six winchesters.

Local panel doctors who have been guilty of excessive prescribing during 1917 may rest undisturbed, declared a member of the Birmingham Insurance Committee at one of its meetings. They are not to be surcharged.

The late Mr. A. M. Chance (Chance & Hunt, Ltd.), who died last year (*C. & D.*, 1917, p. 1017), bequeathed a presentation silver bowl to the Birmingham Corporation. Mr. Chance was the first chairman of the British Cyanides Co., Ltd., whose first technical adviser, Mr. A. G. Salamon, has also died recently (*C. & D.*, April 20, p. 38).

The recently formed Birmingham and Midland Association of Women Pharmacists has for its chief *raison d'être* the maintenance of the status of the pharmacist's qualification. Several local appointments to public institutions have lately been given to dispensers holding only the Apothecaries' Hall certificate, even when pharmacists have been among the applicants, and in each of these cases the post had previously been filled by a lady who had passed the Qualifying examination. Any women pharmacists who may have been overlooked in a canvass that has been made are invited to send their names as soon as possible to the Hon. Secretary (*pro tem.*), Miss W. Vokes, 1 Turville Road, Handsworth, Birmingham.

### Liverpool.

"Baby Week" is being celebrated in Liverpool with great *éclat*.

A queue awaiting the opening of the doors (for anti-influenza draughts) was seen outside a central-area pharmacy this week.

The staff of Ayrton, Saunders & Co., Ltd., gave recently, on the invitation of the Vice-President of the local Division of the British Red Cross Society, a concert, which realised 40s.

Emphatic appreciation is being expressed by up-to-date pharmacists of the *C. & D.*'s weekly record of current prices, and also of the monthly price-list issued by Evans Sons Lescher & Webb, Ltd.

The death is announced of Mrs. Robinson, widow of the late Mr. Richard-F. W. Robinson, Brighton Street, Seacombe, a chemist and druggist, who died on November 26, 1917 (*C. & D.*, 1917, p. 1038).

American proprietaries were never so difficult to obtain as they are now; the action of the Department of Import Restrictions, recently referred to in the *C. & D.* (June 29, p. 36), has probably some bearing on the difficulty.

Owing to the influenza scare and the presence of a few foreign sailors under treatment, pharmacists have had an almost unprecedented demand for ammoniated quinine. Locally, there is a comparatively small percentage of cases.

### Sheffield.

The old-established business in Broomhall Street, lately carried on by the Staniforth Pharmacy, Ltd., has been closed.

Saccharin tablets (full strength) vary in price here from 4s. 9d. per 200—in the West End, where prices are generally higher—to 3s. per 100 in the East End.

The Council of the local Society has been asked to arrange some suitable event consistent with the national circumstances to commemorate the jubilee of the Society.

Mr. John V. Mainprize, M.B., Ch.B., referring to a note in this column last week (p. 35), informs us that we are mistaken in stating that he was apprenticed with Mr. J. T. Appleton.

The influenza scare has reached Sheffield, with the result of an increase of panel work by 50 per cent. This and the further demand by the military for men have brought things to very near the breaking-point.

The difficulty in getting packages returned by rail has caused some pharmacists to dispose of boxes to cutlery firms. When asking the railway companies to remove empties it is as well to describe them as "medical empties."

Mr. Gilbert Jackson, who recently gained a technical bursary (*C. & D.*, 1917, p. 935), has won the Ezra Hounsfield Linley scholarship at Sheffield University, tenable for three years. Mr. Jackson is the only son of Mr. J. G. Jackson, chemist and druggist.

The Hartshead warehouse of G. T. W. Newsholme, Ltd., has had a narrow escape from destruction through the carelessness of a passing smoker. A lighted match fired some straw, which exploded five winchesters of absolute alcohol. The fire was quickly controlled.

### Miscellaneous.

**POISONINGS.**—At a Battersea inquest, on July 2, into the death of Mr. Alexander Christie, lately living at Upper Richmond Road, Putney, it was stated that he had been poisoned by an overdose of veronal, taken to induce sleep. A verdict of "Death from misadventure" was returned.—Air Mechanic John Henry Merriman, Elderfield Road, London, E., committed suicide with spirit of salt while of unsound mind.

**DRUG-WORKERS' CONCERT.**—Under the auspices of the City of London (Drug Workers) branch of the National Warehouse and General Workers' Union, a concert was held at the Cripplegate Institute, Golden Lane, E.C., on June 26. During the proceedings Mr. F. C. Gilbert (on behalf of the members) presented Mr. C. H. Bowles, Branch Secretary, with an attaché-case and a fountain-pen, and congratulated the branch on the progress it is making.

**BRITISH SACCHARIN SUPPLY.**—The Royal Commission on the Sugar Supply has made arrangements by which British saccharin will shortly be available for the requirements of aerated-water makers and other manufacturing consumers through the medium of the regular wholesale houses in the trade. Wholesale houses who have not received a notification direct are invited to apply for particulars to the Secretary, Saccharin Distribution Committee, 181 Queen Victoria Street, London, E.C. 4.

**IN THE COURTS.**—At London Sessions, on July 2, William Summerskill, M.R.C.S., L.R.C.P., was found guilty of attempting to obtain by false pretences from the Commissioner of Metropolitan Police the sum of 30s., with intent to defraud. Called by the police to attend persons injured by a bomb, the defendant subsequently sent in a bill for 6l. 15s. Included in the list of eighteen names, for which he charged 7s. 6d. each for professional attendance, were four names of people whom it was declared he never attended at all. Mr. Lawrie, in agreeing with the verdict, said that when men in his position descended to crimes of that sort, which were really impudent and very mean attempts to rob the public, it was necessary that they should be adequately punished. The defendant, who had been qualified since 1883, was ordered to be detained in the second division for four months.—At Lichfield Police Court, on June 25, two lads, aged fifteen, were ordered to be sent to a reformatory ship till they are nineteen for stealing from the shop of Mr. C. H. Averill, chemist and druggist, Conduit Street, three 1l. Treasury notes. The shop was broken into while closed for the midday interval.



## Irish News.

### Brevities.

The influenza epidemic has reached Cork, and has brought in its trail a large addition of business.

There was a demonstration of the use of Scholl's foot-rests at Mr. Eugene MacSweeney's pharmacy, Patrick Street, Cork, on July 1 and 2.

At Fielding's Pharmacy, 66 Patrick Street, Cork, the assistants now all wear long white coats during business-hours. Other chemists in the city are likely to follow this lead.

An Irish chemist who advertised locally for a junior assistant received an offer of the services of a young man for 120*l.* per annum. Our subscriber describes it as a forecast of what the trade may expect.

Mr. McArdle, the well-known Dublin surgeon, was on June 23 fined 3*l.* for using petrol contrary to the regulations by driving in his car to attend a cock-fight at Ballitore, co. Kildare. The chauffeur was fined 2*l.*

The scarcity of assistants in the drug-trade in the North of Ireland continues to be very marked. Very few young men are coming into the trade, and this, coupled with the fact that many assistants have been laid up with influenza, has made the carrying-on of business in both wholesale and retail houses very difficult during the past few weeks.

Belfast is still in the grip of the influenza epidemic, and in consequence the drug-trade is reaping a harvest, many retailers exceeding their heaviest winter turnover. Cinnamon, formalin, and quinine are selling like hot cakes. In one works alone the absentees number some thousands, and all schools are closed; one local wholesale house has over forty employés out, and several retailers are denuded of assistance.

A sensation was created by the appearance of the police at White's Medical Hall, Broad Street, Waterford, last week. It appears that an attempted larceny was reported to the police barracks, but the impression got abroad that the R.I.C. were raiding the premises, which are occupied by Dr. Vincent White, the Sinn Féin candidate at the recent Waterford election. The police were groaned at by the crowd which assembled, and for a time matters looked like becoming troublesome. The crowd, however, subsequently dispersed quietly.

Mr. Timmon, at the meeting of the Navan Guardians, called attention to the list of dispensary charges of the Dublin Retail Drug Association, and requested that the Local Government Board be called upon to allow them to state what percentage reduction on these charges would make dispensing for the workhouse and fever hospital cheaper than the method of dispensing at present in vogue. Mr. Spicer seconded the resolution, which was adopted. Mr. Owens said he was with the proposer if English firms were to be cut out.

## Scottish News.

### Brevities.

Mr. J. W. Venters, chemist and druggist, East Wemyss, is removing to larger premises.

The "rapid flu" has reached Fife, and pharmacists are doing quite a good trade in remedies for it.

Mr. Edward Gordon, chemist and druggist, Kelty, has closed his pharmacy since joining the Colours.

Quite a number of the Fife chemists have recently been up for medical examination. The majority have been put into Grade 1.

Mrs. Carmichael, wife of Mr. J. Carmichael, chemist and druggist, Leslie, was the winner of a first prize in a local bowls competition held recently.

A resolution passed by the Fife shire Insurance Committee on June 29 comprised among its objects the "free medical and surgical treatment of all persons."

The fittings for the new pharmacy opened by Mr. Peter Fenton, Cardenden—a handsome addition to the pharmacies of Fife—were supplied by Harkness, Beaumont & Co., Edinburgh.

### Edinburgh.

A local doctor has been prescribing pulv. cinnamomi and aspirin—5 to 10 gr. of each—for the "Spanish" flu.

It is said that fifteen ladies arrived by one train the other day to sit for the Qualifying examination at York Place.

An extraordinarily busy week-end has been experienced, what with the prevailing influenza and the number of people who were practically "asking for it." Quinine, camphor-loquets, and disinfectants have not been in such demand for years.

## Westminster Wisdom.

By the "C. & D." Parliamentary Representative

### WHORTLEBERRIES.

Mr. Clynes, the Parliamentary Secretary to the Ministry of Food, is considering the question whether whortleberries should be used for dyeing or for food.

### MINISTRY OF HEALTH.

A Bill on the subject of a Ministry of Health has been drafted and is now before the Cabinet, said Dr. Addison in the House of Commons on July 2.

### MEDICINAL GLYCERIN.

The Parliamentary Secretary to the Ministry of Munitions stated on July 1 that glycerin is released for medicinal purposes where it is indispensable, competent medical advice being taken in doubtful cases.

### THE LUXURY-TAX.

It is confidently anticipated, writes our Parliamentary correspondent, that the report of the Select Committee on the proposed luxury-tax will be ready for presentation to the Chancellor of the Exchequer by the end of next week or the week after. If the recommendations of the Committee are unanimous, legislation will follow at no distant date.

### PATENTS TO ENEMY ALIENS.

The President of the Board of Trade, on July 1, informed Sir Edward Carson that patents are not granted to enemy aliens during the war. Specifications are accepted, and this secures to the people of this country the advantage of any new ideas. British specifications are in like manner accepted in enemy countries. A recent decision of the United States Government in the matter of patents may make it necessary to consider modifications in the practice at present adopted here.

### BUSINESS NAMES REGISTRATION.

The President of the Board of Trade, on July 1, stated that in three cases firms of enemy origin had been granted exemption from the regulations laid down by the Business Names Act, that the names of the directors and particulars of their nationality should be printed on their notepaper.

Mr. Billing, on July 1, asked the President of the Board of Trade for some particulars regarding Fuerst Bros., Ltd., who were recently prosecuted for a breach of the Business Names Act. The directors, said the President, were naturalised in 1882 and 1884 respectively.

### DECIMAL COINAGE.

There will be no delay, writes our Parliamentary correspondent, in setting up the Royal Commission which is to inquire into the whole question of decimal coinage. The membership will be drawn from representatives of the commercial, financial, and trading communities, together with members of both Houses of Parliament, and officials of the Treasury and of the Board of Trade. Among those likely to be associated with the inquiry are Lord Southwark, to whose action in Parliament is due the appointment of the Commission, Sir Algernon Firth, the ex-President of the Association of Chambers of Commerce, and a representative of the Bank of England.

### MILITARY SERVICE.

A discussion took place in the House of Commons on June 27, in regard to the Ministry of National Service. Many members criticised the medical grading of the elder conscripts, which varies very much. This is due to circulars and instructions sent out from the Ministry. The Prime Minister, who spoke, said a small Committee would be appointed to discuss the matter with the Minister of National Service. Mr. Glyn-Jones, who also addressed the House, said he believed that the system of grading men is a vital flaw in the administration. The Tribunals have been set up for the purpose of weighing the relative claims of the Army and of civil life. The Tribunals were set up to judge upon these two things. He supposed they must expect that the applicant is not always candid, and perhaps sometimes may deceive them. Surely, though, they have the right to expect that the Director of National Service and his servants should put before them all material facts to enable them to come to a decision. The result of the present system is that a certain amount of injustice has been done. The Committee which the Prime Minister referred to should make arrangements which will give the Tribunal the same information as to what the man is to be used for in the Army as is given to the Army authorities.

THE GERMAN NETTLE CULTIVATION Co. is increasing its capital to 15,000,000*m.*



# Pharmaceutical Society.

## Council-meeting.

A MEETING of the Council was held on July 3 at 16 Bloomsbury Square, London, W.C. Mr. W. L. Currie, the President, occupied the chair, and all the members were in attendance.

### THE LATE MR. JAMES KIRKPATRICK.

The PRESIDENT said his first duty on the occasion was rather a sad one. He had to refer to the death of Mr. James Kirkpatrick, one of their most prominent members in London. It had been startling in its suddenness, for when he last met Mr. Kirkpatrick, a short time before the sad event, that gentleman appeared to be in his usual health. Mr. Kirkpatrick occupied a prominent place in the pharmaceutical world. For a considerable time he was particularly well known in London, but subsequently he seemed to become even better known in the provinces. He had frequently had occasion to meet Mr. Kirkpatrick in friendly intercourse as well as on various matters, and, like many others, had learnt to form a very high opinion of his ability and character. He moved that an expression of sympathy and condolence be forwarded to the relatives of the late Mr. Kirkpatrick.

Mr. SKINNER, in seconding, said that when the fabric of organisation for which they were all striving came to be erected Mr. Kirkpatrick's name would figure prominently as one of the pioneers of the movement.

The resolution was carried in the usual manner.

### LETTERS OF ACKNOWLEDGMENT.

Mr. Chater (acting as Secretary) intimated receipt of a letter from Mr. F. J. Gibson, formerly Treasurer, thanking the Council for the letter of appreciation which had been forwarded to him by the Council. Sir Peter Wyatt Squire wrote expressing his appreciation of the congratulations of the Council on the honour that had been conferred upon him; and Mr. T. Edward Lescher wrote acknowledging the vote of condolence forwarded to him on the death of his father, and also thanked the Council for electing him auditor in place of his father.

### THE SECRETARY AND REGISTRARSHIP.

The first item of importance on the agenda was "To fill the vacancy in the office of Registrar and Secretary occasioned by the retirement of Mr. Woolcock." This was dealt with in Committee, and relegated to the end of the meeting.

### ELECTIONS AND RESTORATIONS.

Mr. Chater reported that thirty-one persons were elected members of the Society, eleven were elected student-associates, one was restored to the Register of Chemists and Druggists, eighty-nine were restored to membership, and twenty-one had been registered as apprentices or students.

### INSTRUCTIONAL COURSE IN THE ARMY.

A letter was read from the General Staff Headquarters of the British Army in France stating that it was proposed to institute instructional courses in a variety of subjects, with the view to affording men facilities for preparing themselves for the resumption of their normal occupations in civil life. Applications were coming in from men who desired to obtain certificates granted by the Society. The General Staff Headquarters inquired if the Council would be willing to grant certificates to men who went through a course of training and passed the examination out there. The Council was asked to lay down conditions in regard to the syllabus, the qualifications, preparation, examination-papers, etc., which might be considered necessary. Large numbers of men, the letter added, were engaging their spare time in useful study, and it would be a great incentive to them if they were enabled to work for the certificate of the Society, which they would try to obtain.

Mr. Chater intimated that other official letters had been received dealing with the same subject. He explained that some time ago the Ministry of Labour made an inquiry of the Council whether it would be prepared to appoint representatives on an Advisory Body of the Ministry for the purpose of considering the conditions under which the various distributive trades might be benefited by a scheme of demobilisation. After consideration the Council came to the conclusion that it would not be wise to appoint representatives to such a Committee, inasmuch as pharmacy was on an entirely different footing from the list of trades included in the Ministry's scheme. It was therefore suggested that the Council should be empowered to co-operate with the Ministry as a body representing the whole of the pharmacists in Great Britain, and this was acquiesced in. Since then a letter had been directed to the Council by the

Minister of Labour to the effect that, acting in conjunction with the Minister of Pensions, he was setting up a number of Advisory Committees to advise him upon the question of the training and employment of disabled soldiers and sailors in many occupations in regard to which he required advice, including pharmacy. The Council was asked whether it would assist the Minister of Labour by nominating five members to serve on an Advisory Committee in that direction. The points for consideration were whether it would be desirable to train a limited number of men with a view to their permanent employment as pharmacists in the event of a scheme being considered desirable, to advise as to the number that could be trained, as to the types of disabled men likely to be suitable, as to the best methods and centres of training, and as to the openings for permanent employment. The proposed Committee would also be asked to advise as to all questions that would affect reinstatement into employment of disabled pharmacists, and any other questions that might be referred to them by the Ministry of Labour. If the Council concurred in the proposal the Minister would be glad to receive as soon as possible the names of five representatives to act as an Advisory Committee.

The VICE-PRESIDENT (Mr. Neathercoat) proposed:

That a Special Committee be appointed to prepare a scheme (1) for the training and admission to the pharmaceutical qualification of demobilised chemists, assistants, and students; (2) the preliminary training of such men during their military service; (3) the training of disabled or discharged men; (4) generally to advise in regard to such modifications, if any, in the present procedure of training and qualifications which may be necessary as a temporary expedient to meet the necessities of the reconstruction period, and that the Committee consist of seven members.

Mr. Neathercoat suggested that the Committee should have the power to call in for consultative or advisory purposes any other person that it deemed advisable to carry out the terms of his resolution.

Mr. SARGEANT seconded the resolution, which was adopted without discussion. The following were appointed a Committee: Miss Buchanan, Messrs. Jonkin, Parry, Rowsell, Sargeant, Skinner, and White, with the President and Vice-President.

It was resolved that the appointment of five to serve as an Advisory Committee in terms of the letter from the Ministry of Labour should be left to the new Committee.

Mr. Chater mentioned that the Minister of Labour had sent that morning an expression of his great anxiety to have a meeting of the Advisory Committee immediately. If the five were to be elected to serve in that capacity it would be necessary for the new Committee to meet immediately after the Council-meeting.

### QUALIFYING EXAMINATION.

A letter was read from the Board of Education with reference to recent correspondence between the Secretary and that Board on the subject of the Board's scheme for the better organisation of secondary schools examinations, and the recognition of the certificates awarded of approved examinations as exempting students from certain examinations held by professional bodies. The letter stated that the Board hoped to be in a position to confer with the Society on the matter, and suggested that formal negotiations would be facilitated if the Secretary of the Board had an opportunity of first personally discussing with a representative of the Society any points on which difference of opinion might arise, and explaining anything of the Board's scheme and new policy about which doubt might be felt.

Mr. WHITE reminded the members that the view previously expressed was that the Council did not wish to hamper the scheme proposed, or to set down any cast-iron regulations as to the subjects of the examination for the Qualifying certificates. All they wished to be assured about was that the Board of Education would be convinced that the certificates given would be regarded as testifying that those who held them possessed a good, sound education. It would be a pity to prevent the general scheme proposed to be brought about by trifling objections. All that was desired was that the certificates should show that those who were entering for training had a good education.

Mr. PARRY mentioned that Mr. White was appointed some time ago to deal with the matter referred to in the Board's letter, and it was agreed, on the proposition of Mr. SARGEANT, that that gentleman should continue to deal with it.

### SALTERS' COMPANY'S FELLOWSHIP WITHDRAWN.

A letter was read from the Salters' Company stating that in view of the scheme now being inaugurated by the Company they regretted they would not be able to make any further award of the Salters' Company's Fellowship.



Mr. ROWSELL moved:

That this Committee desires to place on record the Society's deep appreciation of the Salters' Company having provided the funds necessary for the Fellowship awarded in connection with the School of Pharmacy of the Society.

He said the Fellowship had been one of particular usefulness to the school, and the Society was deeply grateful to the Company for having provided the necessary money for it for so many years.

Mr. HARRINGTON, in seconding, said that for many years the Society had greatly appreciated the Fellowship, and intimation of the Company's intention to recall it for some reason or other would be received with great regret.

Mr. WHITE remarked that there was no reason why the motive which had induced the Salters' Company to withdraw the Fellowship should not be ascertained.

The PRESIDENT pointed out that in the communication reference was made to a scheme which had been inaugurated by the Company. This might be of a nature and character adapted for students at the School of Pharmacy.

It was agreed that inquiries should be instituted on the points mentioned.

#### DUAL APPOINTMENTS.

A letter was read from the Essex County Statutory Pharmaceutical Committee stating that at a meeting of that body, held on June 13, a resolution was passed strongly protesting against the suggestion that the Superintendent of the Checking Bureau, while holding that appointment, should become an Assistant Secretary of the Pharmaceutical Society.

The PRESIDENT remarked that the Council would deal with this communication in due course.

#### UNIFORM EXAMINATIONS.

A letter was read from the South Wales and Monmouthshire Federation of Local Associations enclosing a resolution passed at a meeting held on Wednesday of the previous week, to the effect that the Pharmaceutical Preliminary examinations should be identical with the Preliminary examinations of the medical, dental, and veterinary professions.

The PRESIDENT pointed out that the whole subject-matter of the letter was now being dealt with by the Board of Education with the co-operation of the Council.

A letter was read from the Manchester Pharmaceutical Association enclosing resolutions (see p. 46).

#### A "MINOR EXAMINATION" IN TURKEY.

Mr. Chater stated that an application had been sent to the Resident Secretary in Scotland concerning a prisoner of war in Turkey. The suggestion was made by the British Prisoners of War Book Scheme Committee that the prisoner should be permitted to take his Minor examination in Turkey. (Laughter.) A letter was received from an officer, who wrote on behalf of the man, asking that books suitable for one wishing to pass the Minor examination should be sent to him. He sat for the examination in 1911, but failed to pass. If he was sent to a neutral country he wished to occupy his time well and profitably. The Resident Secretary in Scotland had sent a suitable reply, adding that the application would be forwarded to London for consideration by the Council of the Society. The books had been sent.

It was pointed out by several of the members that obviously the Minor examination could not be held away from London, let alone in Turkey.

#### TITLE OF "CHEMIST" IN AUSTRALIA.

It was intimated that the Pharmaceutical Society of Australia had forwarded a copy of a printed statement of a conference with the Australian Chemical Institute on the question of the title of "chemist." It had been sent under the impression that it might be of interest to members of the Society in this country.

#### NORTH BRITISH BRANCH.

A letter was reported as having been received from the Resident Secretary in Scotland reporting on the appointment of an Executive and the annual meeting of the North British Branch of the Society.

The PRESIDENT stated that he had occupied the chair at the annual meeting of the North British Branch. He found that the whole work of the Society in Scotland was proceeding satisfactorily.

#### THE POISONS SCHEDULE.

A letter was read from Mr. G. A. Tocher, Secretary of the London County Pharmaceutical Association, relative to the Army Council Order of June 7, and asking whether steps might be taken by the Council with the view of

ascertaining the percentage of scheduled poisons contained in admixtures which came within the meaning of the Order.

The letter was referred to the Law Committee.

#### INAUGURAL SESSIONAL ADDRESS.

A letter was received from Dr. Addison, M.P., accepting the invitation sent to him to deliver the inaugural address in connection with the opening of the School of Pharmacy in October, conditionally on no development arising which would prevent his presence.

#### FINANCE COMMITTEE.

The report of the Finance Committee is summarised as follows:

The receipts of the General Fund since the last Committee meeting amounted to 1,460*l.* 9*s.* 1*d.*, comprising the following items: Penalties and costs, 71*l.* 4*s.* 9*d.*; "Journal" and publications, 45*l.* 9*s.* 9*d.*; registration-fees, 48*l.* 6*s.*; restoration-fees, 2*l.* 2*s.*; dividends, 25*l.* 19*s.* 1*d.*; subscriptions, 220*l.* 10*s.*; examination-fees, 845*l.* 5*s.*; and sale of Registers to H.M. Stationery Office, 140*l.* 12*s.* 6*d.*, making, together with balance in hand, 1,555*l.* 10*s.* 1*d.* After deducting payments ordered at last meeting, a balance of 131*l.* 12*s.* remained. The other balances were: Benevolent Fund, 218*l.* 4*s.* 2*d.*; Benevolent Fund (donation account), 18*l.* 13*s.* 7*d.*; and Orphan Fund, 36*l.* 13*s.* 5*d.*

Mr. Bilson was elected Chairman of the Committee. Accounts were recommended for payment amounting to 1,059*l.* 7*s.* It was decided that in future the current expenses account at the bank should be in the name of the Society, and that all cheques on that account should be signed by the Secretary for the time being of the Society. It was recommended that a summary of the petty-cash account should be presented.

The report was agreed to.

#### BENEVOLENT FUND.

The report of the Benevolent Fund Committee stated that Mr. Parry had been elected Chairman. Grants were recommended amounting in the aggregate to 120*l.* It was further recommended that admission to the London Orphan Asylum should be asked for a boy aged seven, son of a former subscriber, by payment from the Orphan Fund. The Committee had under consideration the reference made to them regarding cases of pharmacists who might in any way be incapacitated as a result of service in H.M. Forces, and recommended that the Benevolent Fund Committee be appointed to act as a Pharmacists' Demobilisation Relief Committee.

The report was adopted.

Mr. PARRY pointed out that it would be necessary for the Demobilisation Relief Committee to obtain authority to proceed with the collection of subscriptions in aid of the scheme they were to arrange. Their desire was to raise a minimum of 10,000*l.*, but they were not disposed to go to the country to ask for this without the full authority of the Council. He moved that the Committee be given power to act.

After some discussion it was resolved, on the motion of Mr. HINES, seconded by Mr. ROWSELL, that the name of the Committee should be the Demobilisation Emergency Committee.

#### LIBRARY COMMITTEE.

The report of the Library, Museum, School, and House Committee showed that Mr. White had been elected Chairman of the Committee. The CHAIRMAN reported that he had attended at the office of the Insurance Commissioners on Tuesday, June 25, and had a discussion with Dr. Smith Whittaker on the subject of lard and oil substitutes. It was intimated that the publication of the alternative formula would be left to the Society, but that the War Drugs Committee would prepare a paragraph explaining why it had been necessary. The report on the School prizes recommended the following awards:

*Botany*.—Bronze medal, Penelope B. Pearce; certificate of honour, Dorothy Yapp and Erna M. E. Bolin.

*Chemistry*.—Bronze medal, Dorothy Yapp; certificate of honour, Elsie Woodward and George R. Boyes.

*Practical Chemistry*.—Bronze medal, Elsie Woodward; certificate of honour, Dorothy Yapp and Elsie M. Bristowe.

*Materia Medica*.—Bronze medal, Dorothy Yapp; certificate of honour, Erna M. E. Bolin and George R. Boyes.

*Pharmacy*.—Martindale memorial medal in silver, George R. Boyes; certificate of honour, Elsie Woodward and Dorothy Yapp.

*Charles James Hewlett Exhibition*.—Dorothy Yapp.

It was reported that an intimation had been received from Professor Smith that he was shortly receiving a commission in the Army, and would join the Royal Engineers as chemical adviser. It was recommended that Mr. Canfield be appointed Professor of Chemistry in the School at a salary of 300*l.* per annum, and that Miss Kerr should be appointed senior demonstrator.

The report was adopted.



## GENERAL PURPOSES COMMITTEE.

The report of this Committee stated that the report of the Committee on Organisation had been considered. The President made the suggestion that, having regard to the fact that no evidence had been received from Scotland by the Organisation Committee, he considered it advisable that the report as it stood should be sent to the Executive of the Society's Branch in North Britain. It was agreed that the report of the Organisation Committee should be forwarded to local Associations of England and Wales for their observations. It was subsequently agreed that in sending the report it should be made clear to the Associations that the Council had not considered it.

On the proposal of the PRESIDENT, seconded by Mr. WHITE, the report was adopted.

Mr. Holmes was appointed examiner in the herbarium competition.

## DISPENSING BY QUALIFIED PERSONS.

Mr. JENKIN had the following resolutions down for consideration:

(a) That every endeavour shall be made by the Council of the Pharmaceutical Society to obtain legal authority to enforce the preparation and dispensing of all medicines by or under the supervision of duly qualified persons (deferred from last month).

(b) That the time is opportune for the reconsideration of the question of the preparation and dispensing of all medicines by or under the direct supervision of duly qualified persons. That the matter be referred to the Ministry of Health Committee to collect evidence and formulate recommendations for the consideration of the Council.

He intimated his desire to withdraw the first of these. He said that at present there was no possibility of preventing unqualified persons from dispensing, and in their consultations with doctors it was obvious that the difference between qualified and unqualified dispensers was very imperfectly comprehended. For many years the Public Pharmacists' Association had been hammering at the Local Government Board, with the result that in most of the large institutions qualified persons were now appointed as dispensers.

Mr. PARRY seconded the resolution, which was adopted practically without discussion.

## PHARMACISTS IN THE ARMY.

Mr. WHITE reported that a letter had been received from Mr. Glyn-Jones stating that pharmacists who were now called up for the Army would be posted to the R.A.M.C.

Mr. Chater supplementing Mr. White's announcement, said that pharmacists who were now called up could insist on being put into the R.A.M.C., where their services would be of value.

The PRESIDENT described the result as being most satisfactory to the chemists of the country.

## SECRETARY APPOINTED.

After the lunch adjournment the Council sat *in camera*, and on resuming in public it was resolved that Mr. W. S. Glyn-Jones, M.P., be appointed Registrar and Secretary at a yearly salary of 600*l.*, his stipulations regarding the staff being agreed to.

This concluded the business.

## North British Branch.

A MEETING of the Executive of the North British Branch was held at 36 York Place, Edinburgh, on June 26, Mr. David Gilmour in the chair. There were present Messrs. Arthur, Cowie, A. Currie, W. L. Currie, Fisher, Forbes, Giles, A. Gilmour, D. Gilmour, Glass, Guthrie, Mackenzie, McMillan, Murray, Ramsay, Storrar, and Thomson. Mr. William Giles (Aberdeen) was unanimously elected Chairman, and took the chair. Mr. Anthony McMillan (Glasgow) was unanimously elected Vice-Chairman for the ensuing year. Appreciative references were made to the good work done by the retiring members of Executive, Messrs. Forret, Marshall, and Wilson, and a cordial welcome was given to the new members, Messrs. Arthur, A. Gilmour, Murray, and Ramsay, who suitably replied.

## MINISTRY OF PUBLIC HEALTH.

With reference to the reply received from Dr. Addison, Minister of Reconstruction, with reference to the suggestions regarding the Ministry of Public Health forwarded by the Executive, it was reported that copies of the suggestions had also been forwarded to the Secretary for Scotland and to every Scottish M.P., many of whom had replied, all being in favour of the setting-up of a Ministry of Health for Scotland. It was not quite clear that Dr. Addison, M.P., agreed to the proposal of a separate Board for Scotland, but the Secretary for Scotland had indicated his agreement.

## NATIONAL INSURANCE ACT.

It was reported that steps are being taken to hold in the month of August a meeting of the General Council of Panel Chemists (Scotland) for the purpose of reviewing the position and considering what action should be taken as to the arrangements for 1919. There was also submitted a statement from the Central Checking Bureau as to the results of the first quarter's work in the checking of prescriptions. From this it appeared that there had been a steady decrease in the number of prescriptions from 1915, and that for the first quarter of 1918 the number was 35.5 per cent. fewer than the first quarter of 1915 and 12 per cent. fewer than the first quarter of 1917. There had been an increase of over 17 per cent. in the average price per form in the first quarter of 1918 as compared with the first quarter of 1917, the increase being doubtless due to the fact that the whole Tariff is now subject to monthly revision. These facts and others were submitted merely for information, as it fell to the Pharmaceutical Standing Committee (Scotland) to deal with all matters relating to National Health Insurance dispensing in Scotland.

## CHEMISTS AND MILITARY SERVICE.

The action of the Joint Committee, consisting of the General Purposes Committee of the Executive and the Drug Tariff Sub-Committee of the Pharmaceutical Standing Committee (Scotland), in appointing a special Pharmaceutical Advisory Committee (Scotland), to which the powers of the Joint Committee were delegated, was reported. The Pharmaceutical Advisory Committee (Scotland) was appointed on similar lines to the Central Pharmaceutical Advisory Committee in London, and was definitely recognised by the National Service Department (Scotland) and the Scottish Insurance Commissioners. The detailed arrangements and the terms of the agreement concluded with the National Service Department in consultation with the Scottish Insurance Commissioners were fully explained.

## SALE OF METHYLATED SPIRIT.

Inquiries had been received as to whether mineralised methylated spirit could be sold for any other than medicinal purposes. Chemists acting on this principle reported that apparently it was freely sold by grocers and druggists for any purpose whatsoever. Some members said they had to sign an obligation, on obtaining wholesale supplies, that the spirit would not be sold for any other than a medicinal purpose, while others said they had recently obtained supplies without any such restriction. It was reported that medical practitioners had ordered methylated spirit to be used for heating infant-foods, and this was held to be not within the restriction forbidding the sale of methylated spirit for burning or heating purposes. In view of the apparent variations in practice, it was agreed that inquiry should be made to ascertain quite definitely what the regulation implied.

## Examination Results.

THE following candidates passed at the July examinations held in London:

## Major Examination.

Cooper, John W., Bradford. Lynch, Cecilia K., Pallas Green.  
Fox, Lucy, Faversham.

## Minor Examination.

Baxter, Margaret B., Muswell Hill. Lawton, Katherine M., Golders Green.  
Bolin, Erna M. E., Muswell Hill. Lewis, Caroline M., Wolverhampton.  
Boyes, George R., Balham Hill. Mutch, Vera M. F., Holloway.  
Bristowe, Elsie M., Winchmore Hill. Nash, Maud F., Southampton.  
Broomhall, Mary G., New Barnet. Nelson, Charlotte A. P., Balsall Heath.  
Bustard, Mary, Bedford Park. Perkins, Edwin J. H., Liverpool.  
Chong, Kim Fatt, Maida Vale. Phillips, Elsie I., Sparkhill.  
Cleland, Robert H., Holloway. Pretty, C. E., Wimbledon.  
Codner, Elsie V. M., Hull. Rathouse, A., Johannesburg.  
Dand, Mabel M., Liverpool. Sharpe, Sarah C. A., Ramsgate.  
Dottridge, Sophie, Chipstead. Symonds, Violet A., Ipswich.  
Eastwood, George H., Leeds. Thomas, Jane W., Middleton.  
Edwards, Nora N., Streatham Hill. Tomlinson, Ethel, Honeybourne.  
Elliott, Muriel K., Coventry. Topping, Phyllis M., Great Yeldham.  
Evans, Daniel G., Dowlais. Turver, Phyllis, Blackpool.  
Fox, Walter R., Brighton. Warner, B. T., Whitechurch.  
French, Doris, Cambridge. Whipp, J. E., Manchester.  
Greenbat, Max, Dublin. Williams, C. G., Woodchurch.  
Hogg, Hector S., Clapham Common. Wilson, Mary, Wallasey.  
Job, Olwen, Stockwell. Wood, W. H., West Croydon.  
Latty, William J., Brislington. Woodward, Elsie, Weymouth.  
Yapp, Dorothy, Kenley.



## Births.

HANNA.—At 70 Lower Mount Street, Dublin, on June 24, the wife of Victor E. Hanna, Ph.C., of a son.

TURNER.—At 99 Linneus Street, Hull, on July 1, the wife of J. Scriven Turner, chemist and druggist (late of Bury Street, London, W.C.), of a son.

## Marriages.

CARTER—KENNEDY.—In Glasgow, on June 19, Richard J. Carter, Ph.C., Fairview Corner, Dublin, second son of the late R. W. Carter, Ph.C., Naas, to Marion McConnell, second daughter of the late Alexander Kennedy, Ayr, and Mrs. Kennedy, Crosshill.

IRVINE—MCLELLAND.—At High Street Methodist Church, Lurgan, on June 18, by the Rev. W. J. Wilson, assisted by the Rev. R. G. McFarland, Alfred J. P. Irvine, eldest son of the late M. G. Irvine, Moira, to Elizabeth Florence (Lily), daughter of Mr. J. McClelland, Ph.C., Ballyshannon.

SULLIVAN—GILMARTIN.—At the Church of St. Mary, Carrick-on-Shannon, on June 18, by the Rev. J. Foley, B.A., Francis C. Sullivan, Ph.C., youngest son of Mr. P. Sullivan, Ennis, to Frances Vivien Gilmartin, The Pharmacy, Carrick-on-Shannon.

VINDEN—THOMAS.—At St. Bartholomew's Church, St. Andrew's Park, Bristol, on June 23, by the Rev. F. Sumner, Captain H. F. Vinden, Suffolk Regiment, only son of Mr. F. W. Vinden, chemist and druggist, Mount Radford Pharmacy, Exeter, to Eva, eldest daughter of Mr. Benyon Thomas, Melita Road, Bristol.

## Deaths.

ATTO.—At 118 Winston Road, London, N., on June 30, Mr. Joseph Atto, aged eighty-five. Mr. Atto was for sixty years on the staff of Dakin Bros., Ltd., wholesale druggists, Middlesex Street, E. 1, and a devoted and loyal friend of three generations of the Dakin family. Mr. Atto was the subject of a recent personal note in THE CHEMIST AND DRUGGIST (May 11, p. 40).

BAKER.—At Westminster Hospital, London, S.W., on July 3, Mr. Joseph Allen Baker, M.P., chairman of Joseph Baker & Sons, Ltd., Willesden, N.W., aged sixty-five. Mr. Baker, who was descended from an Islington family, was born in Canada. In 1876 he entered the engineering business of his father, and removed to London as his representative. Works for the manufacture of pharmaceutical and other machinery were established at Willesden, and the firm was subsequently converted into a limited company. Mr. Baker, who had represented East Finsbury in Parliament since 1905, was taken suddenly ill at the House of Commons on July 2, and passed away early the next morning. A portrait of him appeared in THE CHEMIST AND DRUGGIST, I., 1905, p. 48.

SMITH.—At Alleen House, Worthing, on June 27, the Rev. Joseph Henry Smith, B.A., Chaplain of the Loriners' and Spectacle-makers' Companies, Past Assistant Grand Chaplain of Freemasons, and first Headmaster of Alleen's School of the College of God's Gift, Dulwich, aged eighty-two.

### Died on Service.

DOWNES.—Gunner F. W. Downes, Honourable Artillery Company, died from wounds at King George Hospital on June 25, aged thirty-seven. Gunner Downes in civil life was a valued servant of Mann & Bishop, produce-brokers, 36-37 Mincing Lane, E.C., and had been with them about twelve years. He leaves a widow and two children.

MCDONALD.—Second-Lieutenant Hugh McDonald, R.A.F., died of wounds on June 23. Up to the time of his enlistment Second-Lieutenant McDonald was with Taylors' Drug Co., Ltd., at 108 High Street, Sunderland.

ORD.—Quartermaster-Sergeant Henry Ord, R.A.M.C., was killed in action on May 27. Sergeant Ord passed the Qualifying examination in 1913.

THOMPSON.—Second-Lieutenant Herbert R. Thompson, Royal Garrison Artillery, died in France on June 30 from the effects of gas-poisoning. Second-Lieutenant Thompson, who received his commission last year, was the youngest son of the late Mr. John R. Thompson, drug-store proprietor, Bakewell. He leaves a widow.

## Personalities.

MR. A. H. HALE, chemist and druggist, York Street, Broadstairs, has joined the Special Constabulary of the town. Mr. Hale is seventy years of age.

NEW MAGISTRATES appointed for the borough of Merthyr Tydfil include Mr. V. A. Wills, chemist and druggist, Victoria Street, and Alderman R. P. Rees, chemist and druggist, High Street, Dowlais.

AT THE ANNUAL FESTIVAL of the Provincial Grand Lodge of Kent Freemasons on June 26, Mr. Alfred Ernest Hobbs, J.P., Ph.C., St. John's Road, Tunbridge Wells, was appointed Director of Ceremonies.

MR. H. J. PAVEY, chemist and druggist, High Street, Ramsgate, has temporarily closed his business. By arrangement, Mr. J. H. Skitt, chemist and druggist, King Street, is taking charge of Mr. Pavey's prescription-books.

AMONG the floral tributes at the funeral of Mr. Jas. Kirkpatrick was one from the Essex County Association of Pharmacists and the Essex Pharmaceutical Association; the official representative of these organisations being Mr. T. H. Seed, Leyton.

MR. JOHN JONES (W. & J. Ferguson, shipping chemists, 5 and 6 Strand Street, Liverpool) has recently completed



MR. JOHN JONES.

His fifty years in pharmacy. His business, which was established in 1824, was acquired solely by him in 1892. Born at Cradley Heath in 1854, and brought to Liverpool while a boy, Mr. Jones was educated at the Liverpool Institute, Mount Street. In June 1868 he entered the Ferguson house, and began steadily to work his way up. He soon displayed great interest in science and philosophy. He was one of the promoters, and became President, of the Pharmaceutical Students' Society, which eventually the Liverpool Chemists' Association absorbed. Professor Harvey Gibson, Liverpool University, encouraged the students in their formation of a herbarium; and the Fairfield Camera Club gave scope for a hobby in pursuit of which Mr. Jones showed enthusiasm. He also took up dentistry, and for some years drew the teeth of seamen, Sunday being a day often devoted to this exercise. His hours at the pharmacy were 7.30 A.M. to 11 P.M., Saturdays 12 P.M. with alternate Sundays on duty and only one evening off in the week. He qualified in 1881. Medicine-chests for the ocean-going vessels from various countries are a leading line in the Strand, and Mr. Jones awards British-ship credit for having the best chests and surgical instruments. With seamen as his chief customers, he has been for many years an active supporter of such enterprises as the Pilots' Annual Concert and Ball, taking part in a repertory of light opera at the former and acting as M.C. at the latter. In his pharmacy there is a unique collection of specimens of tropical and marine zoology, largely contributed by sailor friends. Mr. Jones is a lifelong abstainer. An elder son assists him in his business; a younger son, who is a veterinary surgeon, has been for three years in Rhodesia, where he was enrolled as a Justice of the Peace. He is now at the Front as a captain in the Army Veterinary Corps. The portrait here reproduced is taken from the C. & D., January 30, 1897, and must not be accepted as a perfect representation of Mr. Jones as he appears to-day.

## Information Department.

### INFORMATION WANTED.

118/59. Cellulose wadding;	117/33. Barton's economic
actual makers	white liniment
115/51. "M. & C." series of	116/5. Ford's peppermint
labels	tooth-paste
117/72. "Blutoidin" tablets	118/49. Surgical Truss and Belt
110/26. "Lambertine"	Co.'s Specialities.

### INFORMATION SUPPLIED.

"Birkbeck" brand india-	"Kilexa" soap, 94/31
rubber surgical appliances,	"Kim" tooth-brushes, 88/45
98/19	"Kinectine," 103/27
"Bisuroids," 49/75	Liquor ziroi, 68/67
"Cremogen," 84/7 and 55/53	"Listerine," 76/66 and 81/63
"Cryogenine," 87/4	Lloyd's hydrastis, 90/10



## Observations and Reflections

By Xrayser II.

### Dispensing Charges

ought in my opinion to be raised all round, to meet the increased cost of drugs generally and the greater care we may have to take to prevent the misuse of such prescriptions as contain opium, cocaine, etc., but I do not see how the price of these only can be raised without disclosing the character of the medicine dispensed, which it is often inexpedient to do. The separate charge proposed would almost certainly have this effect. The objection to penalising members of the Forces seems to me comparatively unimportant for the reason you give.

### Referring again to the Military Service Question,

there is one point that a case recently reported to me by a friend prompts me to emphasise. When appealing to a Tribunal it is most important to explain what being a registered chemist and druggist involves, a matter on which ordinary members of Tribunals are abysmally ignorant. In the case referred to the appellant merely asked for exemption because he was a chemist. The answer given by the National Service Representative was that his brother could easily manage the business for him, and although this brother was well known by the majority of the Tribunal to be an unqualified man, none of them seems to have understood the absurdity of the suggestion. I gave my friend a copy of our Editor's pamphlet on the Restrictions on the Sale of Poisons, and recommended him when his adjourned appeal is heard to submit it to the Tribunal.

### The Suddenness of Mr. Kirkpatrick's Death

has added pathos to the event but does not account for the unusual amount of regret it has caused. Seldom has the removal of one who may be regarded as of the rank and file of pharmacy, inasmuch as he never achieved the distinction of councillor rank, occasioned so wide-spread and evidently heart-felt sorrow. Something, of course, is due to the circumstances of his death, but it is the character of the man, so strongly impressed upon those who knew him personally, and made evident in some measure even to those who did not by his public career, that makes us realise the loss we have sustained, and creates so deep a sympathy for one whose life was cut short so tragically. The proposal to make a contribution to the cost of a new wing to Queen Mary's Hospital a memorial of him is an admirable one; may I suggest that if every pharmacist who voted for him at the recent election were to give a shilling to the fund the result would be 127l. 10s.—a very considerable portion of the sum required?

### The Phrase "As From,"

so dear to framers of laws and Royal Proclamations, though "as" in this connection is a pleonasm with no force, reappears in the opening clause of the Royal Proclamation prohibiting the importation of cocaine and opium, with the addition of "after," which again is pleonastic. "As after" is casually referred to in the Oxford Dictionary as obsolete, but "as from" is not, so far as I can see, referred to at all in that almost exhaustive work. It is quite time it was dropped, but it is more rife than ever, and is spreading, or has spread, into other than legal usage. It would seem that some writers attribute a quasi-legal force to bad English.

### "Spanish Influenza,"

like "Russian influenza," is, we are authoritatively told, only a new name for our old enemy a feverish cold, and the present visitation, though one can hardly say it is not to be sneezed at, is fortunately less virulent than some former visitations have been. Only when it becomes epidemic should this very common complaint be dignified with the title "influenza," this being an Italian word having the various senses of our "influence," and referring especially in this use to some

astral or occult influence causing a visitation on an epidemic scale. Formerly any epidemic—of scarlet fever, for instance—was an "influenza," the "evil influences" of the stars (the phrase is Bacon's) being held responsible for them, but since the great Roman influenza of 1743 the word has been virtually restricted to the use with which we are familiar. The first widely-spread epidemic of the kind of which we have a well-described account occurred in 1510; four serious visitations in the first forty years of last century are recorded; perhaps the most fatal we have ever known in England was that of 1890, in the first twenty-two weeks of which year 599 deaths from it or its effects were returned in London alone.

### The New Double-section of the Oxford Dictionary

(Supple—*Sweep*) is singularly lacking in words of pharmaceutical importance. It consists largely of words compounded with Latin prefixes—*supra*, *sur*, *sus* (*sub*)—which comprise very few that are of special interest to us. The earliest quotation for "suspensory bandage" is dated 1848, but it must be much older than that. There was an older kind of "suspensory," by which the sick could hold themselves up or change their position in bed. *Surma*, or *soorma*, is a name (originally Persian) given in India to sulphide of antimony, which is used by native women to blacken their eyelids. "Surinam bark" is the bark of *Cinchona magnifolia*; "Surinam poison" is derived from the leaves of *Tephrosia toxicaria*. The term "swansdown" was given to the cloth on which plasters were spread because of its soft downy texture; it was formerly a favourite filtering-medium. "Swanwort" is a name given in the Saxon Leechbook to some unidentified plant. "Swanstongue" is the hemp nettle. With the exception of names derived from that of the swallow, this exhausts my scanty list of notes. "Swallow herb" or "swallow-wort" is *Chelidonium majus*. The Dictionary assigns no reason for either, but two explanations are given by old writers. Pliny, following Aristotle, says the juice of this herb was used by the swallow to restore the impaired sight of her young, and this most of our herbalists accept; another theory was that the names are due to the appearance of the herb when swallows are building, just, says Albertus Magnus, as in some countries it was named after the eagle for a similar reason. Some species of *Asclepias* are called swallow-worts because of a fancied resemblance of their seed-pods to a swallow.

## Trade Notes.

QUININE-AND-CINNAMON TABLETS are advertised in this issue by E. H. Butler & Son, 93 Humberstone Gate, Leicester. The tablets are supplied in bulk, but at present it is not possible to give prompt delivery of packet tablets.

CHALLIS'S SYRUP.—Mr. Jas. Challis (Thames Chemical Co.), 2 Parliament Hill, London, N.W., sends us a sample of Challis's Syrup, which he prepares, and which is having an extraordinary run at present as a remedy for influenza. It sells in bottles at 1s. 3d., 3s., and 5s.

WEIGHING-MACHINE PROCEEDS.—A suggestion is made in the advertisement in this issue of Sangers, 258 Euston Road, London, N.W. 1, that chemists should devote the proceeds of their weighing-machines during August to the benefit of St. Dunstan's Home for Blinded Soldiers.

DANDERINE.—The Knowlton Danderine Co.'s specialties—Danderine, Danderine soap, and massage cream—are advanced in price from July 1. The face-values have been adopted as the minimum protected prices under the Proprietary Articles Trade Association's scheme. The various prices are given in an advertisement in this issue of Proprietary Agencies, Ltd.

BRITISH SCIENTIFIC PRODUCTS EXHIBITION.—This Exhibition, which is intended to show the progress that British manufacturers have made in replacing scientific products formerly obtained chiefly from enemy aliens, is to be held at King's College, London, during August and September. It has been organised by the British Science Guild, and intending exhibitors should write for particulars to Mr. F. S. Spiers, Organising Secretary, 82 Victoria Street, London, S.W. 1.





## DISINFECTANTS

(FLUID, POWDER, AND HARD,  
SOFT AND TOILET SOAPS).

ALSO

- "Sanitas Fluid" No. 2 (Crude). Non-poisonous, disinfectant and deodorant.
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- "Sanitas Synol" (Improved Lysol.)
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- "Sanitas Formic Sulphugators."
- "Sanitas Formigators."
- "Sanitas Drain Testers."
- "Sanitas Polishes."
- "Sanitas Distemper" for walls.
- "Sanitas Creoleum" (wood preserver).
- Peroxide of Hydrogen (Kingzett's Preserved).

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*Fletcher's Concentrated Liquors*  
offer a perfect alternative to the discarded  
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## Editorial Articles.

### American Cannabis Indica.

THE appearance at the June London drug-auction of cannabis indica grown in the United States, as a marketable drug for medicinal use, was somewhat of a surprise, especially as it was accompanied by an analysis published in the brokers' catalogue. Previous statements made in the pharmaceutical Press have shown that the United States Agricultural Department had taken steps to ascertain if the drug could be cultivated in that country, so as to produce its medicinal effects, and that the results obtained were satisfactory, but that it should be exported to this country in competition with the Indian-grown drug was an unlooked-for possibility. The appearance of the drug is quite different from the ganja of Calcutta and the guaza of Bombay, consisting not of the resin-agglutinated cylindrical tops of the former, or the compressed tops of the latter, but of the leafy portions freed from stem, more nearly resembling the kief of Morocco or the dagga of South Africa. The fact is often overlooked that, although resin may not be visibly present, a certain amount is always obtainable from the leaves, and that the dry leaves in the form in which they are smoked produce the intoxicating effect of the drug. The appearance in commerce of the drug as cultivated in temperate climates is not new, since Egypt is known to have been supplied with the drug cultivated in Greece. It is obvious that the official use of the Indian drug will have to be reconsidered, and that its chemistry will have

to be revised in relation to its therapeutic action. It is hardly probable that the stimulant and sedative action and curious hallucinations relating to perception of time and distance can be due to the same active principle. The number of active principles that have up to the present been extracted from the drug indicate that either an oxidase is present which modifies them, or that derivatives are obtained during the process of extraction, or that several distinct principles are present, and that new methods are desirable if really useful preparations of the drug are to be obtained. In Persia a preparation is made with almond oil, a few drops of which, given in soup, will cause sleep for twenty-four hours, and it has been shown that if tetanin be removed by tannin, cannabione produces a soporific effect without previous excitement. For a long period the effect of the drug has been attributed to the resin, and there can be no doubt that the administration of the resin extracted by spirit of wine produces the effects of the drug; but whether the sedative effect, for which it is chiefly desirable in therapeutics, is due to the resin, or to bodies associated with it, is not clear. There are many points of interest in connection with the drug. It is well known that the resin is secreted more plentifully at an altitude of 600 to 800 ft., and from plants not more than 3 ft. high. It is also stated that it is dependent in some extent on the removal of the male plant; persons who are able to distinguish the male plant before flowering being especially employed to perform this operation, where the churru or resin is an agricultural product, as at Yarkand. How far this may be true is open to question.

Another point of pharmaceutical interest is that the natives of India recognise that the dried drug soon deteriorates in strength, and never export the produce of the current year, but keep it for home use, and export that of the previous year. It has also been shown that the body called cannabinal, to which the properties of the drug have been attributed, oxidises very rapidly, so that the preparation of the drug in the form of a tincture made by boiling the drug in spirit at a temperature that would destroy any oxidase present, might furnish a more active and reliable preparation. If the drug can be produced in this country, possessing the medicinal properties of the plant, it would prove another object of interest to herb-growers.

### Drugs for the Troops.

WHEN referring (*C. & D.*, June 15, p. 42) to the new Army Council Order issued on June 5, in place of the Narcotic Drugs Order of May 11, 1916, we mentioned two matters upon which further explanation was required. One of these points was whether it was sufficient for the purpose of the Order that the chemist selling any of the drugs named in the schedule to members of the Forces should enter the prescriptions in the book kept for the purpose in conformity with the dispensing exemption in Section 17 of the Pharmacy Act, 1868. We have now received a letter from the Secretary of the War Office which says:

"I am directed to state that the intention of paragraph (e) is that a dispensing chemist should keep a prescription-book for the sole purpose of entering therein prescriptions ordering for members of His Majesty's Forces the drugs enumerated in the schedule to the Order, except in the case of cocaine, sales of which to members of His Majesty's Forces may be entered in the cocaine book required to be kept under the Defence of the Realm Regulation 40B. This is made clear in a note appended to the said Order."

It is thus clear that a separate record is to be kept of prescriptions ordering the scheduled drugs for troops, thus adding another complication to the chemists' business. The following is a list of the books which have to be kept by dispensing chemists in connection with the sale of poisons:

Arsenic register	...	...	By the Arsenic Act, 1851.
Poison register	...	...	By Section 17 of the Pharmacy Act, 1868.
Prescription book	...	...	
Cocaine register	...	...	By Regulation 40B of the Defence of the Realm Act.
Opium register	...	...	By Army Council Order made under Regulation 40 of the Defence of the Realm Act.
Prescription book	...	...	



The other point upon which we asked for the guidance of the War Office was in regard to paragraph (b) in which registered veterinary surgeons are allowed to issue prescriptions for the scheduled drugs provided that the conditions common to medical practitioners and dentists are observed. It looked as though vets were thus enabled to prescribe for troops. We are informed, however, that "the Order does not authorise veterinary practitioners to prescribe for men, but enables them to obtain certain drugs required for the exercise of their profession." The complication which this announcement introduces into the Order is perhaps hardly realised. Hitherto under the Pharmacy Act, Sec. 17, the expression "sold or delivered" used in connection with the dispensing exemption has been understood to refer to the patient and the patient's agent, but in the case of this Army Council Order it seems to mean the person who actually presents himself at the chemist's counter with a prescription. We will suppose that a registered veterinary surgeon writes a prescription as follows for spasmodic colic in a horse:

Chloral. hvdratis	...	...	...	3j.
Morph. hydrochlor.	...	...	...	gr. iv.
Mucilaginis	...	...	...	3iv.
Aq. ad...	...	...	...	Oj.

M. ft. haust.

This contains two of the drugs named in the schedule of the Army Council Order. If the veterinary surgeon is in the Forces and himself takes the prescription to a chemist's to be dispensed, none of the formalities of the Army Council Order are required to be observed, as veterinary surgeons are one of the three classes of persons to whom the Order does not apply. If he sends a person not in the Forces with the prescription, the dispensing chemist observes the formalities of Section 17 of the Pharmacy Act, 1868. On the other hand, if a soldier takes the prescription to the chemist the ritual laid down in the Army Order has to be observed. The moral seems to be that soldiers should not be sent to the chemist with prescriptions to be dispensed because extra trouble is given to the chemist and more expense may in consequence be incurred by the customer.

We have been asked lately in regard to the supply of certain drugs much used by unwilling conscripts to simulate disease in an attempt to deceive the doctor at the medical examination. The Army Council Order of June 5 only refers to those who are already in the Forces, but Regulation 40C of the Defence of the Realm Act covers the use of drugs by a person under orders to report himself for medical examination. It is also an offence for any person to supply a drug with the intent of enabling any such man to render himself unfit for service. Chemists are under no restrictions as to the sale of the drugs to which we refer, but if there are suspicious circumstances attached to the demand for the drugs it is as well to bear in mind that "intent" may possibly attach to the vendor. It has several times been remarked that the particular drugs employed by malingerers may be sold without restrictions, whilst elaborate regulations are made in regard to other drugs supplied to men in the Forces. The reason for this paradox is that Regulation 40, under which the Army Council Order is made, gives express power to the Army Council to make orders in regard to the supply of narcotic or stimulant drugs, but the same power is not conferred by Regulation 40C, which deals with those who have not yet joined the Forces. The drugs we refer to are not sedative, narcotic, or stimulant, which is the reason, we suppose, why they are not included in the schedule of the Army Council Order.

### Controlled Products.

By an Order issued on June 25 the Board of Trade has fixed the maximum wholesale prices in the United Kingdom of a number of petroleum products. They are as follows:

**SPIRIT** (in cans).—Aviation, 3s. 7½d. per gal.; special boiling-points, 3s. 5d.; No. 1, 3s. 4d.; No. 2, 3s. 3d.; No. 3, 3s. 2d.

For delivery to commercial consumers (not for resale) in steel barrels, 1d. per gal. less than can price; and for delivery in bulk to commercial consumers (not for resale), 1½d. per gal. less than can price.

1d. per gal. to be added to above prices when sold for delivery in Scotland or Ireland.

**KEROSENE**.—Long-time burning oil in bulk, 1s. 9d. per gal.; No. 1, 1s. 9d.; No. 2, 1s. 8d.

For delivery in barrels ex wharf, 2½d. per gal. additional. 1d. per gal. to be added to above prices when sold for delivery in Scotland or Ireland.

White spirit, 2s. 5d. per gal.

**GAS OIL**.—In bulk ex wharf, 1s. 4d. per gal.

For delivery in barrels ex wharf, 2½d. per gal. additional.

**FUEL OIL**.—In bulk ex wharf, 14l. per ton.

For delivery in barrels ex wharf, 2½d. per gal. additional.

There has been a considerable increase in the value of all petroleum products since the war, and the new standard of present values affords an interesting

**PETROLEUM comparison.** Kerosene or lamp-oil has now **PRODUCTS.** a maximum of 1s. 8d. to 1s. 9d. per gallon wholesale, whereas in July 1914 it was 6½d.

to 8½d. Petrol or motor spirit has its maxima for grades 2 and 3 fixed at 3s. 3d. and 3s. 2d. wholesale, whereas in July 1914 the retail prices in London were 1s. 8d. for grade 1 and 1s. 6d. for grade 2, there being no grade 3. Gas oil was 3d. per gallon in 1914, the new maximum price in bulk is 1s. 4d., while fuel oil, which could be bought at about 2l. per ton before the war, is now 14l. It is quite understood that a large proportion of the increase is due to higher freights and insurances, and if it is any consolation to buyers the advance is not restricted to this country, but is of world-wide occurrence. Petroleum jelly, too, has had a considerable advance since the war, and the supplies have been inadequate to meet the demand.

We understand that the Oils and Fats Branch of the Ministry of Food have liberated supplies of certain oils like coconut, sesame, linseed oil for distribution to the wholesale drug-trade, so that

**FIXED OILS.** the tension in the scarcity of supplies will be relieved; but strict economy in their use is necessary. The olive-oil scarcity may be relieved somewhat towards the autumn, but importers are not encouraged to bring forward supplies, and the Ministry of Food seem to deprecate its public use, advocating the cheaper sesame oil. Linseed oil for druggists' purposes can be had in small lots without a permit, and the same applies to turpentine oil.

The Minister of Munitions has issued an Order to be known as the Lead (Amendment) Order, 1918, increasing the maximum prices of lead fixed by the **LEAD** **PRODUCTS.** Lead Order, 1917. The prices authorised by the latest Order are as follows:

Class of Lead	New Figures.			Original Figures.		
	£	s.	d.	£	s.	d.
Sheet Lead ...	41	0	0	39	10	0
Lead Pipe ...	41	10	0	40	0	0
Dry White Lead ...	51	0	0	46	0	0
White Lead in Oil ...	58	0	0	53	0	0
White Lead in Oil ...	60	0	0	55	0	0
Red Lead and Litharge...	45	0	0	42	0	0

The prices of lead compounds for medicinal purposes will, of course, be affected, particularly lead acetate, nitrate, and arseniate.

Druggists' requirements of ammonia products, particularly carbonate, have been rigorously cut down, but it is interesting to note that a concession has been

**AMMONIA** made to the drug-trade, as Evans Sons **PRODUCTS.** Lescher & Webb, Ltd., have received an official letter to the effect that no licence will be required under the Ammonia Control Order, 1918, for the supply of medicinal preparations containing ammonia, provided that no preparation is sold in quantities exceeding 1 cwt. per month to any one customer. This will enable pharmacists to receive sufficient quantities of necessary ammonia preparations such as liquid ammonia and ammonium carbonate and chloride.



### Influenza Epidemic.

THE increase in Insurance dispensing has been very marked during the week, and chemists, especially those who were working short-handed owing to the war, are having a very busy time. The pressure varies, however, in different districts and in parts of London, but, owing to the scare which is being worked up by the daily papers, many of the public are taking ammoniated tincture of quinine and eucalyptus oil as prophylactics. The young ladies in Government offices, who have the reputation of reporting sick with an alacrity worthy of a better cause, have been informed that Sickness Benefit from Insurance sources is the only money they will be paid during illness. This, it is stated, has had the effect of checking the valetudinarian tendencies that had developed.

### Military Matters.

WE are still receiving a large number of inquiries on the subject of military service for pharmacists, and we have to acknowledge some striking comments as to the value of the information on military matters that has been printed in the *C. & D.* within the past few weeks. There is no doubt that a large number of chemists have been much worried by the uncertainty which prevailed as to what was going to happen to them. There are variations also in the treatment which chemists receive from local officials who are not always conversant with the circulars and instructions which reach them from the Ministry of National Service. The Secretaries of Pharmaceutical Committees should now be in a position to supply information to chemists in Insurance areas, instructions having been sent to them by the National Health Insurance Commissioners and the Pharmaceutical Advisory Committee. For those chemists who must join the Army it is satisfactory to have the assurance of the Pharmaceutical Society that chemists are to be posted to the R.A.M.C., where their technical knowledge will be utilised.

### Postage on Postcard Orders.

OWING to lack of precise information as to printed-paper post many chemists are, we are informed, failing to observe the conditions laid down by the authorities in connection with the transmission of orders by halfpenny post, with the consequence that wholesale houses are being surcharged on orders sent contrary to regulations. An ordinary correspondence postcard bearing a written order is not eligible for the halfpenny rate even if the word "postcard" has been obliterated and "printed-paper post" substituted. The official conditions stipulate "that the document consist of a printed form, and that any writing refer solely to its subject-matter, or consist of formulas of courtesy, or of a conventional character not exceeding five words or initials. . . . A printed form within the meaning of the regulations is one bearing printed matter clearly indicating the purpose for which the form is intended to be used. The form must be appropriate, e.g., an ordinary memorandum form may not be used." Thus a card bearing the printed words "printed-paper post" on the front, and "please forward" or "order" also printed on the back, would be eligible, but an order written on a memorandum card would require a penny stamp. Most chemists will doubtless find it worth their while to have cards or forms specially printed for orders.

### The Secretaryship.

MR. W. S. GLYN-JONES, M.P., has been appointed Registrar and Secretary of the Pharmaceutical Society of Great Britain. This was the conclusion arrived at on Wednesday after the Council had deliberated for some hours *in camera*. What took place will probably never be made public, but the Council has accepted the conditions laid down by Mr. Glyn-Jones as essential if he is to be its officer. These, it will be remembered, referred to the organisation of the office staff, and involved the appointment of Mr. A. J. Chater and Mr. C. A. Mallinson as Joint Assistant Secretaries. Mr. Chater has been with the Society for something like twenty-eight years, and Mr. Mallinson is a recent acquisition, his position being Superintendent of the Checking

Bureau, which is run by the Local Associations Executive. There had been a difficulty in getting the Council to place these two gentlemen on an equality on account of disparity in experience and remuneration. However, "a way has been found," and Mr. Glyn-Jones has doubtless withdrawn the letter which he forwarded to the Council in June. That all difficulties have been smoothed out is triumph for Mr. Currie, the newly-elected President, whose next task will be to infuse and maintain in the staff the *esprit de corps* which brings with it the best work for pharmacy.

### British Pharmaceutical Conference.

THE fifty-fifth annual British Pharmaceutical Conference is to be held at 17 Bloomsbury Square, London, W.C., on Wednesday next, July 10. It is one of the effects of the war that London is the meeting-place of the Conference for four years running. Fifty-one Conferences had been held before the outbreak of war, and during that long period the place of meeting had been London on only three occasions—1874, 1900, and 1913. The Conferences during war-time have all been held in London, the one next Wednesday being the second over which Mr. Charles Alexander Hill has acted in the capacity of President. The Conferences have been shorn of all social functions and are now formal business meetings, the annual report and accounts, with the President's address, being the subjects. This year, we believe, no papers have been submitted, but it may be expected that as last year the President will make a contribution to the Conference which, as on the previous occasion in which he has held office, lifted the proceedings from the pure formality with which they would otherwise have been invested. Mr. Hill probably knows more about the effect of the war on the drug-trade than any other chemist, and, although he may not tell all he knows at present, he may be relied upon to interest his audience. Those members who require places reserved for them at the luncheon that follows the Conference should send at once a postcard to Mr. R. R. Bennett, 22-30 Graham Street, City Road, London, N. 1.

## New Books.

Holleman, A. F. *A Text-book of Inorganic Chemistry*. Fifth English edition. 9½ × 5½ in. Pp. 521. Illustrated. 10s. 6d. (Chapman & Hall, Ltd., 11 Henrietta Street, London, W.C. 2.) [Dr. Holleman is a professor of chemistry of the Universities of Amsterdam and Groningen, Netherlands, and his work has been translated by Mr. H. C. Cooper, of Syracuse University, U.S.A. The volume opens with a concise introduction as to the meaning of chemistry and scientific investigation. Then follow monographs on the elements, with pauses at the appropriate places to explain the terms and theories of chemistry. It is in making clear the theories that Dr. Holleman's book is particularly good, and as the historical method of explaining these is adopted, the information will be the more readily retained by the student. The most modern theories and practice of chemistry are dealt with, and as a book for the serious student it is unequalled, particularly in view of the moderate price charged for it. There are folding plates of spectra, and a graphic representation of the periodic variation of the atomic volumes of the elements with their atomic weights, also many illustrations in the text.]

Stubbs' *Buyers' Directory for the Wholesale Drug, Chemical, and Allied Trades*. 9½ × 6 in. Pp. 393. \$3.00. (Alfred Stubbs, 100 William Street, New York.) [This is the 1918 edition, which Mr. Stubbs has endeavoured to make more complete and comprehensive than its predecessor, and has been very favourably received by the trade at large. It includes many additional listings of chemicals, intermediates, synthetics, etc., of interest to buyers, and a useful list of synonyms of medicinal and pharmaceutical chemicals is also incorporated.]

THE STATEMENT which was made last week (p. 34) that C. B. Allen & Sons, chemists, Kilburn, London, N.W., had purchased the prescription-books, etc., of the business lately carried on by Mr. F. W. Gardner, was not correct. By a friendly arrangement the prescription-books were deposited with Messrs. Allen so that customers if they require it could obtain medicine from old prescriptions.



## Legal Reports.

**Excess-Profits Case.**—In the King's Bench Division, on June 25, Mr. Justice Sankey decided the point whether for the purpose of estimating excess-profits duty a chemical-manufacturer's business could be divided into parts—the distillation of products from herbs and the growing of herbs for distillation—so that one part (the agricultural part) might be excluded from the excess-profits tax. His Lordship, in giving judgment for W. Ransom & Son, Ltd., essential-oil manufacturers, Hitchin, with costs, said the term "husbandry" had a very wide signification. At this time it was public policy to remember that drugs are of primary and necessary importance. His Lordship found that in this case it is possible to divide the businesses, and that one so separated came within the exceptions in the Act.

**Cream-of-Tartar Contract.**—In the Court of Appeal, before Lords Justices Pickford, Banks, and Scrutton, on July 1, the case of Fuerst Bros., Ltd. (17 Philpot Lane, London, E.C.) v. Fabbrica Chimica Arenella a Società Anonima of Palermo was heard upon the appeal of the plaintiffs from an order of Mr. Justice Rowlatt in connection with the action which was brought by the plaintiffs for alleged breaches by the defendants of contracts dated April 30, 1917, and July 2, 1917, for the sale by the defendants to the plaintiffs of 20 tons and 30 tons of white powdered cream of tartar (see *C. & D.*, May 4, p. 36). Mr. Schwabe, K.C., in support of the appeal, said it was understood that the goods should be paid for by the plaintiffs against the presentation of documents by the defendants. Documents were presented in London in respect of the 10 tons only, and as to the other part of the contracts the defendants had failed to present documents. The plaintiffs had always been willing to pay against the presentation of such documents. The present appeal was from an order of Mr. Justice Rowlatt setting aside an order of Mr. Justice Coleridge, directing that the plaintiffs were at liberty to issue a writ of summons against the defendants, and serve at Palermo. He (counsel) contended that as a matter of jurisdiction the order of Mr. Justice Coleridge was correct and should be restored. At the conclusion of the argument of Mr. R. A. Wright, K.C., on behalf of the defendants, their Lordships allowed the appeal, and restored the original order of Mr. Justice Coleridge.

**Prize Court Cases.**—Fifteen thousand pounds' worth of drugs and essential oils, seized in six cargoes, were brought into the Prize Court for adjudication on July 1. All had been captured on Scandinavian vessels coming from New York except the last, which hailed from Batavia, and the captures were: A case of drug (codeine) on the *Arkansas*, weight 123 lb., value 850*l.*, shipped by Merck & Co., New York; 536 cases of essential and other oils—peppermint, anise, and linsced oil, worth 12,000*l.*, weight 32,272 lb., shipped by F. E. Tvennies & Co., on the *Skogland*; 35 cases of essential oils, or 2,958 lb., and five drums, 9,231 lb., on the *Progreso*, shipped by Tvennies & Co. (this cargo included peppermint, cedarwood, citronelle, linaloe, and spearmint oils, and was valued at 1,500*l.*); 2 drums of peppermint oil, or 2,020 lb., shipped by Joseph H. Bowne on the *Arkansas*, worth 800*l.*; 2 cases of wormseed oil, or 230 lb., worth 100*l.*, shipped on the *Kentucky* by Joseph H. Bowne; and 1 drum of cananga oil, 372 lb., value 150*l.*, shipped on the *Bia* by the Société Coloniale Indo Belge to the Nederlandsche Indische Handelsbank of Amsterdam and Gothenberg. Captain Maxwell Anderson, for the Crown, asked for a decree for the sale of the 15,000*l.* worth of drugs and essential oils and detention of the proceeds. Against this, all the cargoes were claimed by Gustav Clasé, of Gothenburg, the consignee in all but the last case. Clasé urged that the cargoes were his by actual purchase or confirm orders. The Crown contended that Clasé was receiving the cargoes only on commission, and was really acting as intermediary for their importation into Germany. All the vessels were bound for Copenhagen and Gothenburg. The shippers had been associated with Clasé in most of the claims, but only two were persisted in—between 13,000*l.* and 14,000*l.* of essential oils on the *Skogland* and *Progreso*. Here Clasé and F. E. Tvennies & Co. claimed alternatively. The essential oils, among their uses, could be employed in the manufacture of soaps and scents. His Lordship having heard Mr. Clasé's affidavit, to the effect that he sold only in Scandinavia, and bought these cargoes outright, an agreement was reached to the effect that Mr. Clasé should invest the proceeds in the two contested cases in War Bonds, subject to the payment of 150*l.* towards the Crown's costs. Interest was to be payable to some person authorised by the Treasury Solicitor to receive it. In all the other cases the order of sale and detention was made for which the Crown asked.

## Company News.

**MELLIN'S FOOD, LTD.**—At the annual meeting of Mellin's Food, Ltd., held on June 28, the Chairman, Mr. J. J. Pilley, said that, in view of the particularly trying times at present it must be gratifying to the shareholders to know that their financial position at the end of the year was such that the balance of profits was sufficient to pay the dividend on the preference shares, 2 per cent. on the ordinary shares, to write 10,000*l.* off goodwill, and to carry forward 16,000*l.*

**THE "SANTAS" CO., LTD.**—Mr. C. T. Kingzett, F.I.C., F.C.S., in presiding on July 3 at the annual meeting, congratulated the shareholders upon the satisfactory results of the year's working. The sales had exceeded those of any previous year, in consequence more particularly of increased supplies of disinfectants to the various military and naval authorities, and continued expansion of the export trade. An unusually large amount of working capital was locked up in stocks of raw and other materials necessary for the company's manufactures, and he looked forward with confidence to the continued prosperity of the business, which had now completed a successful career of forty years. A balance dividend of 4½ per cent., making with the interim dividend of 3½ per cent. already paid, a total distribution of 8 per cent. for the year, was declared.

## Cape Peninsula Retail Chemists' Association.

A MEETING of retail pharmacists was held on April 17 in the rooms of the Cape Province Pharmaceutical Society at Cape Town, with the object of forming a Retailers' Association for the prevention of price-cutting in the Cape Peninsula. The following, among others, were present: Messrs. D. L. Petrie, C. Merry, A. Dowling, R. Kemp, Darroll, Spruce, Hill, Oldfield, Smith-Houghton, T. J. Hughes, Ross, Graham, Cherry, Sowden, J. Moore, W. Asher, R. Oxenham, Smith, J. Main, J. Scott, G. W. Burton, Greenland, and Hopkins. Mr. D. L. Petrie was voted to the chair, and called on Mr. Burton to explain the scheme. The idea is to enrol all, or the majority of, the retail chemists in the Cape Peninsula as members of the Association. A retail-price list will then be drawn up and published for circulation among the members. As soon as the Association is sufficiently strong they will approach all the local wholesalers with a view to stopping the supplies of any chemist cutting under the fixed prices. In any case of cutting, and the offence being proved, all supplies will be withheld from the offender or offenders by all parties to the agreement during the time that the name of such offender or offenders remains on the stop list. There would ultimately be a combined Committee of retailers and wholesalers, who would appoint a Vigilance Committee of, say, five members, three to form a quorum. The duties of this Committee would be to investigate all cases of reported "cutting," and deal with proved offenders according to the penalties laid down. In the event of anyone reporting that any retailer is "cutting," the Vigilance Committee would immediately take steps to obtain conclusive proof that the complaint is justified. The reported offenders would then be asked to meet the Vigilance Committee within forty-eight hours, when the case would be dealt with. Should any person or persons not in the drug-trade "cut" against the fixed prices, by "priced" window-display, newspaper or other advertisement, a competitor may immediately compete with those prices, provided that he at the same time notifies the Secretary of the Association of such prices affected and the name of the "cutter." Such "cut" price would obtain until further notice from the combined Committee. A proved offender's name would be placed on a "stop list" for a period of, say, one month, but in the event of such offender donating a sum to some fund to be arranged, and giving a fresh undertaking to adhere to the fixed prices, the name would be removed from the stop list. The donation would be not less than 5*l.* or more than 25*l.*, and would be fixed by the Committee. It was then proposed and carried that an Association be formed with the above title. Mr. Main pointed out that a similar Association in the Transvaal was under the auspices of the P.A.T.A. (South Africa), and Mr. Oldfield suggested the new Association might also be under the auspices of the Cape Pharmaceutical Society. On being put to the meeting, however, it was decided to conduct the Association independently for the present. Rules were adopted embodying the scheme as outlined above, and the subscription was fixed at one guinea. The following Committee was appointed to carry on the work and report to an early meeting: Messrs. Ross, J. Moore, A. J. Rivett, Cherry, Greenland, A. H. Mathew, J. Hall, Cooper, and A. H. C. Miller.



## Association Affairs.

**Bradford.**—The results of the first year's operations of the Bradford Chemists' Alliance, Ltd.—a mutual buying company established by the Bradford Pharmacists' Association for the benefit of members, particularly in the direction of gaining the advantages of bulk purchasing of commodities mostly in use—have proved the wisdom of a step which had some elements of risk in it under war-time conditions. At the recent annual meeting of the shareholders the balance-sheet and directors' and auditors' reports were adopted with due appreciation. The only retiring director, Mr. D. S. Priestley, was re-elected, so that the composition of the board remains as before: Messrs. J. A. White (Chairman), F. E. Burdett, A. Faull, D. S. Priestley, and J. W. Thorpe (Secretary). Mr. R. S. Dawson was re-elected auditor, and Mr. Shepherd was heartily thanked for his labours as a stockkeeper. It was decided that the profits should be distributed as a 5-per-cent.—approximate—bonus on purchases.—The members of the Bradford Pharmacists' Association and their lady friends enjoyed a half-day's picnic on June 26 at Upwood, a charming spot on the edge of Rombalds Moors, and looking out over the green length of Lower Airedale. The trippers numbered about sixty. They reached the old market town of Bingley by tramway—a pleasant ride in itself—and from there walked by way of the canal bank and the fields between East and West Mortons to Upwood, which is nothing more than a few scattered homesteads set on a sandy hill-face, in a region of heather, bracken, and fir-trees, just under the brow of the great moors. Tea was provided, and the party indulged in cricket and other outdoor games.

**Edinburgh.**—The third botanical excursion of the summer session of the Edinburgh Chemists', Assistants', and Apprentices' Association took place on June 26, the members travelling by 7.18 p.m. train from Waverley Station to Musselburgh. Under the direction of Mr. John Lothian, Ph.C., the company did good field work along the bank of the river Esk to Inveresk, returning to Musselburgh by the Newbigging Road and back to town by car. On the motion of Mr. H. Stout, Ph.C. (President), a cordial vote of thanks was awarded to Mr. Lothian. A list of the plants collected is kept for reference at 36 York Place.

**Halifax.**—At the meeting of the Halifax and District Chemists' Association at the Old Cock Hotel, Halifax, on June 26, the President (Mr. B. C. Hodgson) in the chair, the chief item on the agenda was the position of pharmacists as affected by the call for the release of chemists for military service. The situation was fully explained by Mr. P. W. Swire, Secretary of the Pharmaceutical Committee, who also produced evidence that the interests of the members were being closely guarded. It was unanimously decided that the matter could be safely left in the hands of Mr. Swire, in the event of any further action by the National Service Representative or the Insurance Committee. Mr. Dawson, pharmacist, Hebden Bridge, was elected a member. A report from Mr. Hugo Wolff respecting the June meeting of the Pharmaceutical Council was favourably received.

**London (N.E.).**—A meeting of the North-East London Pharmacists' Association was held on June 20, Mr. A. P. Barnard in the chair. A vote of condolence was passed to Mr. Davison on the death of his father, and to Mrs. Kirkpatrick on the death of her husband. The Pharmaceutical Committee is to continue in office in accordance with the Commissioners' instructions. The subscription to the Association was raised to 7s. 6d. per annum. The officers were re-elected, and a special vote of thanks was accorded to Mr. Scott, the Secretary, for his work during the past year. It was resolved that the London County Executive be asked to embody the word "chemist" in the name of the Association, so as to bring into prominence the statutory title of pharmacists.

**Manchester.**—At a meeting of the Council of the Manchester Pharmaceutical Association, held last week, the following resolutions were unanimously adopted:

1. That in future a member of the Council of the Pharmaceutical Society shall not be eligible for appointment to an office of profit under the Council unless the said member shall have resigned his position as councillor for at least three months.
2. That this Council deplores the possibility of the loss of Mr. Glyn-Jones's services to the Pharmaceutical Society, and trusts that every effort will be made to induce him to accept the position of Secretary.
3. That this Council is strongly of opinion that in future all the chief salaried positions of the Pharmaceutical Society, when vacant, shall be advertised.

The resolutions have been forwarded to the Council of the Pharmaceutical Society (see p. 38).

## Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

### Reports from Local Centres.

#### ENGLAND.

**Eastbourne.**—At the meeting of the Insurance Committee on June 24, a question was asked as to whether chemists were in order in charging a certain amount for bottles without notifying to the customer that the money would be refunded if they were returned. It was also alleged that there were cases in which chemists refused to supply medicine because the patients did not bring their bottles. It was intimated that chemists should give back the money taken on deposit for bottles when they were returned.

**Leicester.**—At a meeting of the county Insurance Committee, held on July 3, the Chairman of the Medical Benefit Sub-Committee reported that the question of the enlistment of chemists in the area had been brought forward for further consideration, and conferences had been held between members of the Pharmaceutical Committee and the Insurance Committee. Of the forty-eight chemists of military age in the county, twenty-seven were liberated on the first appeal, and no unmarried man of Grade 1 or 2 under the age of thirty-one now remained. It was not thought that the present call would greatly affect the county.

**London.**—The Insurance Committee met at the County Hall, Spring Gardens, S.W., on June 27, when the Finance Sub-Committee reported having made advances to the Panel and Pharmaceutical Committees of 580*l.* and 117*l.* respectively on account of administrative expenses for 1918. Payments to chemists were recommended of 8*l.* 17*s.* 8*d.* for 1916, 37*l.* 11*s.* 5*d.* for 1917, and 9,476*l.* 17*s.* 8*d.* for 1918. The Medical Benefit Sub-Committee's report stated that there are 760 persons or firms supplying drugs and appliances, including 699 chemists in business, 37 in institutions, and 24 other persons. Five chemists and one branch establishment have been added to the panel, and the same number have been removed from the list. The Chairman (Sir Kingsley Wood) said that a letter had been received from Mr. Uglov Woolcock tendering his resignation as a member of the Committee. He had been a very useful member, and the Chairman suggested that he send him a special letter expressing the regret of the Committee at his resignation. This was agreed to.

**Nottingham.**—The annual report of the Pharmaceutical Committee states that the Committee and the various Sub-Committees will continue in office for another year. Mr. G. F. Godson and Mr. A. Norweb (Secretary of the local Association) have been co-opted as members, and Mr. A. Eberlin replaces Mr. Ross Sergeant (who has retired from the panel) on the Insurance Committee. Messrs. Norweb, Eberlin, and Waring form the Sub-Committee dealing with chemists and military service.

### Note.

**SUPPLY OF DRUGS BY DOCTORS.**—A case is mentioned in the "Lancet" in which a panel doctor who had contracted to supply drugs to his patients as well as medical attendance expected to be repaid by the Insurance Committee for antitoxanus serum which was required in one of the cases under his care. Mr. J. Smith Whitaker, the Commissioner who heard the appeal, held that the serum provided came within the category of what the injured person was entitled to be supplied with under the National Insurance Acts, adopting the definition of a drug, when employed in any medical context, as a substance used in the compounding of medicines and of a medicine as a substance used in the treatment of disease. He pointed out that under the National Insurance Act, 1911, and the Medical Benefit Regulations, it is for the Insurance Committee to arrange for the supply of drugs for the insured, and that in the case of those resident more than a mile from the nearest druggist the Committee, if the practitioner attending the insured person so desires, may arrange with him that he shall supply all drugs—that is to say, not only those necessarily or ordinarily administered by a practitioner in person and those required immediately before a supply can be conveniently obtained from other sources. Where the arrangement is with a practitioner in a rural area to supply all the drugs required he may, if he so elects, be paid by capitation fees calculated with reference to the number of persons towards whom he assumes this liability, without restriction as to the nature or cost of the drugs actually supplied.



## Profit, Percentages, and Discounts.

By John Humphrey.

Notes of a Lecture delivered at the Progressive Pharmacy Club on July 2, 1918.

IN the scheme submitted by Miss Buchanan last February for a course of lectures on business training, two of the suggested subjects were "Why Profits are Necessary" and "Relationship of Price to Profit." These subjects were pressed on my attention, and, though the former seemed at first sight to need but little consideration, it became plain, on thinking the matter over, not only that it required an exhaustive reply before the second problem could be dealt with properly, but that a satisfactory reply to the question would involve the formulating of much clearer ideas than are generally prevalent as to what business profit really is.

There is much loose thinking on this subject of profit and profits, and it is only necessary to listen to discussions on prices, or to read the innumerable letters published on this topic, to realise that the word "profit" is not invariably used with a fixed signification. When heated arguments are hurled by disputants at one another, and triumphantly refuted, though without carrying conviction all round, it is pretty safe to assume that—unless matters of pure opinion are at stake—the disputants are more likely than not using the same terms in different senses.

At the outset, therefore, it appears desirable to attach a clear and definite meaning to the word "profit" when it arises in connection with business transactions of any kind: that is to say, as an adjunct or consequence of selling and buying. It is immaterial whether it is goods or services that are involved in the transactions, so long as there is an exchange of those goods or services for money, or for other goods or services. One party to the transaction has something to dispose of, while the other party is desirous of acquiring or utilising the same, and is prepared to pay an agreed price for the goods or for the services rendered. The problem first to be solved is what constitutes profit to the seller in such transactions.

Speaking broadly, there can be no question that profit implies progress, and that the seller's profit on goods sold is what is gained on the transaction; though there will probably—in fact, almost certainly—be differences of opinion as to the amount of gain. But, before the profit can be estimated or determined, it is obviously essential that we should be able to arrive at the total cost of goods, and this total cost must necessarily include more than the prime or initial cost. To the latter must be added interest on outlay and an equitable share of the cost of conducting the business. Rent, rates, taxes, depreciation, salaries of staff, and general working expenses must all be taken into account in the case of a retail business, and a fair proportion of the whole added to the purchase price or prime cost of the goods, before the amount of profit on sales can be estimated properly.

It is perhaps an arguable point whether or not the proprietor of a retail business should be entitled to add anything to the cost of goods for his own services as seller. The Income Tax Commissioners decline to recognise anything of the kind. At the same time, anyone who received from his business just enough to cover his living expenses, with those expenses of the most moderate character, would probably be indisposed to acquiesce in the suggestion that the business was being run at a profit. Supposing, however, after deducting everything except personal expenses, that the proprietor of a small business, which provided his sole means of livelihood, found there was a balance in his favour of 20%, the taxing authorities would require the whole of that to be declared as profits. It is true that, in assessing the individual's liability to taxation, an abatement of 120% would be allowed, so that income-tax would not actually be paid on more than 80%; the fact remains that the State regards all one earns as profits, without any allowance being made for food, clothes, lodging, or other costs of living under civilised conditions. An assistant drawing

a salary of 150% per annum would, in like manner, be regarded as earning profits to that amount, and income-tax would be assessed accordingly, again with the abatement of 120%. It may be that those who legislate to take our earnings from us consider that the abatement of 120% (or 130% when that is the amount of the total income) represents the maximum amount at which an individual is entitled to value personal services in the conduct of a business. This is a point worthy of being taken into consideration when adding a fair proportion of the working expenses of a business to the purchase price of goods, in order to determine the total cost before estimating profit. The fact remains that the State demands no share of the first 120% an individual earns, and this amount at least may reasonably, therefore, be deducted from what the business returns before it can truthfully be declared that there is any profit for the proprietor.

Having arrived at a satisfactory conclusion as to what expenses must be added to the prime cost of the goods sold in the course of a year, in order to fix the total cost which must be covered before any profits can be earned, it is usually not difficult to express the proportion of working expenses or overhead charges to be so added as a percentage. In a business of a fairly homogeneous character, where the goods sold are, generally speaking, of the same kind, the full proportion or percentage of overhead charges may fairly be added to the purchase price of every article kept in stock for sale. In a chemist's business, however, the heterogeneous nature of the goods sold seems to indicate the general desirability of adding a larger percentage to the cost of some goods and a smaller percentage to the cost of others, the average being the full percentage of the overhead charges. Expressing this in another way, some goods should be made to yield a higher rate of profit, while in the case of others the retailer may well be contented with much less, provided always that the entire stock disposed of should yield such an average profit as ought to be realised if the stock were of a more homogeneous character.

Where this rule of differential rates of profit prevails, consideration should obviously be given to the length of time it is necessary to keep the goods in stock before sales are effected. The longer an article is kept in stock the greater should be its apportionment of expenditure on rent, rates, taxes, and the rest, not forgetting the very important item of interest on outlay. An article that is only in stock for a day or a week costs much less to handle in proportion than one which remains in stock for a month or a year. Accordingly, the number of times the stock of particular lines of goods is turned over in a year ought to be taken into account before deciding how much profit those goods ought to yield. Goods which require the application of special skill, as in the case of medicines dispensed extemporaneously, should yield a much bigger profit than goods which only need to be handed out to the customer, because there must be a much larger addition to the prime or initial cost before the actual cost can be arrived at. Again, it is not unreasonable to expect expensive goods to yield a higher rate of profit than those which cost but little in proportion, because they are usually kept longer in stock and therefore incur a greater share of working expenses. In every case it is desirable to take the peculiar circumstances of that case into consideration before deciding what ratio of profit the goods ought to bear. Moreover, it must be remembered that special circumstances may arise and render it desirable to suspend or vary general working rules at any time, and for a longer or shorter period. A good working system is an excellent thing, but the proprietor of a business should not be such a slave to his own system of fixing retail prices as to decline to modify it in any circumstances.

(To be continued.)

**NITRIC ACID FROM AIR.**—The Japanese Department of Agriculture and Commerce is to submit for the approval of the Diet an appropriation of 263,000 yen, to be devoted to experimental work in connection with the formation of nitric acid from the air by the Ostwald process.



## Trade Report.

42 Cannon Street, E.C. 4, July 4, 3 p.m.

WITH the exception of the activity in quinine, there is a staleness in practically all products, due to the caution exercised by wholesale druggists in reducing their stocks for the end of the half-year, and this is one of the reasons why business during the past few weeks has not amounted to anything like the usual volume. The actual consumption goes on, and where there is a shortage, like in quinine, the advance takes place immediately, as the demand has been insistent. The "combing-out" process for military service which is going on in the City is affecting many firms, who are already working with depleted stocks, and this phase of the situation is getting acute, as there are many principals carrying on business between the ages of forty-nine and fifty-one who have been called up for medical grading. Permits to import are still being granted a little more freely, and some fair-sized quantities of pharmaceutical and technical chemicals have arrived, including bromides, hexamine, and methyl salicylate, which helps to relieve the shortage, so that an easier position may be looked for in these products. Among the principal changes of the week is a substantial advance in morphine salts by makers, which is justified by the high cost of opium. Quinine has been in brisk demand and is very scarce. Rectified spirit has been advanced by the distillers, and all spirituous preparations follow, tinctures being 2*d.* to 3*d.* per lb. dearer. Aspirin, pyrogallie acid, salol, amidopyrin, and chloral hydrate have appreciated in value. Phenacetin, phenazone, phenolphthalein, and theobromine are among the cheaper products. Carbolic acid and arsenic are lower. Other changes include an advance in albumen, bayberry-bark, camphor oil, canary-seed, ginger, and pimento. Star-anise oil is firmer. Fenugreek-seed and farina are lower.

Higher	Firmer	Easier	Lower
Albumen	Amidopyria	Copper	Arsenic
Bayberry-bark	Anise oil, star	sulphate	Carbolic acid
Camphor oil	Antimony	Kola	Coriander-
Canary-seed	(Ch. cr.)	Phenacetin	seed
Cassia fistula	Aspirin	Phenazone	Farina
Ginger	Cassia oil	Quinine	Fenugreek-
Hen yolk	Pyrogallie	ethylcarb.	seed
Lead products	acid	Sarsaparilla	Honey
Morphine salts	Salol	(Native Jam.)	Phenol-
Pimento			phthalein
Quinine			Theobromine
Rhubarb			
(High-dried)			
Spirit, recti-			
fied: tinc-			
tures, etc.			
Turmeric			

### Cablegrams.

NEW YORK, June 27.—Business in drugs is fair. Curaçao aloes in cases is 10*c.* per lb. lower. Cartagena ipecacuanha is also lower at \$3.10, and taraxacum-root has been reduced to 28*c.* Cascara sagrada is dearer at 15*c.* Cream of tartar has advanced to 66*c.* and Rochelle salts to 44*c.* per lb.

NEW YORK, July 3.—Business is fair. Mexican sarsaparilla is lower at 63*c.* Gentian has been reduced to 16*c.*, and copaiba to 82*c.* Long buchu is dearer at \$1.50 per lb.

ACETANILIDE is unaltered at from 6*s.* 9*d.* to 7*s.* per lb. This is one of the antipyretics which may be influenced by the influenza epidemic, as it is still low in price compared with its congeners.

ALBUMEN is dearer, with sellers of prime egg at 5*s.* on spot.

ALCOHOL.—The distillers have raised their price by 8*d.* per proof gallon to 5*s.* in bond for at least 100-gal. lots in puncheons or large drums for druggists, essences, or perfumery purposes, to which price must be added the duty of 31*s.* 6*d.* on immature spirit. Owing to this advance wholesale druggists and manufacturing chemists have raised the price of all spirituous preparation, S.V.R. being 1*s.* 6*d.* per gal. higher and tinctures and preparations 2*d.* to 3*d.* per lb., according to strength.

ALMOND OIL.—The English pressers of sweet (B.P.) have advanced their price to 4*s.* per lb., 1-cwt. lots still being 3*s.* 9*d.* *Pallid* is 4*s.* 2*d.*

AMIDOPYRIN has been in export demand, and this has

depleted the stocks somewhat for the moment, and the market is firmer in consequence.

ANTIMONY.—The growing scarcity of crude is obvious in view of the absence of imports, and prices have again advanced. There are very few sellers, who now quote about 49*l.* to 50*l.* for small spot lots. American purchases have been reported lately from China. Foreign regulus is generally held for 78*l.*, but it is possible that resale lots in merchants' hands might be picked up at a pound or two less.

ARROWROOT.—The sales include 800 barrels St. Vincent at from 1*s.* 1*d.* to 1*s.* 6*d.* for common to good manufacturing.

ASHRIN.—English makers have raised their prices by about 6*d.* per lb., and the lowest quotation is now 12*s.* per lb., which is not surprising, as makers' profits for some time past must have been very lean. America does not appear to be shipping any, and much less will be available from that quarter.

BALSAMS.—*Tolu* in limited quantity is offered at 10*s.* net on spot and 7*s.* 3*d.* to arrive. Genuine B.P. *Peru* is 19*s.* 6*d.* Central American *Copaiba* (B.P.) is 6*s.* 3*d.*; filtered Para, in cases, 5*s.* 3*d.*; unfiltered Maranh, in casks, 5*s.* 9*d.*; and filtered, in cases, 6*s.* 6*d.* per lb. *Canada* is 9*s.* 6*d.* net.

BAYBERRY-BARK is dearer at 2*s.* 6*d.* net on spot, and likely to advance further.

BELLADONNA-ROOT.—Indian testing 0.66 alkaloids is offered at 6*s.* 3*d.* per lb. on spot; good *leaves* are also offered at 6*s.* 3*d.*

BENZOIN.—Nothing offered at auction, and privately a considerable advance is asked, on last public sales' rates for Sumatra. Ninety cases of Siam arrived too late for the auction.

BERBERINE HYDROCHLORIDE is offered at 6*s.* per oz.

BETANAPHTHOL.—Resublimed can be had at 7*s.* 6*d.* per lb. on spot.

BROMIDES.—We understand a good-sized shipment of the three salts has arrived in Liverpool. Demand has been quiet, dealers holding off. Potash is 10*s.* 3*d.*, sodium 5*s.* 3*d.*, strontium 8*s.* 6*d.*, and ammon., which will be cheaper later, 11*s.* per lb.

CADE OIL.—Good commercial (but not B.P.) can be had at from 1*s.* 9*d.* to 2*s.* 3*d.* per lb., as to seller.

CAFFEINE.—Rather large quantities have arrived from Japan.

CALCIUM LACTATE is offered at 8*s.* 6*d.* per lb. on spot.

CAMPOR MONOBROM. is offered at 16*s.* per lb. net.

CAMPOR OIL.—White essential is scarce and dearer at 2*s.* 3*d.* per lb. on the spot, but to arrive 140*s.* per cwt. c.i.f. is quoted.

CAMPOR (REFINED).—Japanese 2½-lb. slabs are offered at 4*s.* 6*d.* on spot and at 4*s.* 6*d.* c.i.f. In the drug-auction 5 cases of Japanese slabs sold at 4*s.* 2*d.* per lb. net, no allowances and with all faults.

CANARY-SEED has been sold at 245*s.* to 255*s.* per quarter for ordinary to good Morocco, being dearer, and higher prices are now asked.

CARBOLIC ACID.—The Government having released their "control," the market is now decidedly lower and practically "free." Ordinary ice crystals, 39° to 40° C., offer at from 10½*d.* to 1*s.* per lb., and crude, 60°, at from 2*s.* 8*d.* to 2*s.* 9*d.* per gal. ex works. A certain amount of export business has been allowed under licence.

CHLOROPHYLL, soluble in oil, is offered at 32*s.* per lb. on the spot.

CINNAMON OIL.—Spot sellers quote Ceylon *leaf* at 1*s.* 2*d.* per oz., and *bark* oil at 70*s.* per lb. net.

CITRIC ACID.—Demand is quiet at 3*s.* 5*d.* to 3*s.* 5½*d.* At the same time, it is difficult to effect shipment of the acid or raw material from Italy, and it is surprising the market does not advance. In the drug-auction 10 kegs crystals sold at 3*s.* 4*d.* per lb.

CLOVE OIL.—English distillers have reduced their price to 21*s.* per lb.

COLCHICUM-CORN is offered at 5*s.* 6*d.* per lb. on spot.

CORIANDE-SEED is lower both on spot and for shipment. For spot there are sellers at 45*s.*, or even lower for a quantity, and sales have been made at 35*s.* c.i.f. terms for new crop.

COUTMARIN is offered at 170*s.* to 175*s.* on the spot and at 165*s.* c.i.f.

CREAM OF TARTAR is quiet, with sellers at from 415*s.* to 420*s.* per cwt.; very fair quantities have arrived.

CREOSOTE.—Beechwood is rather dearer, and somewhat difficult to import. *Carbonate* has been in better demand for export, and owing to a temporary shortage 60*s.* is asked.

DIAMIDOPHENOL HYDROCHLOR. is offered at 28*s.* on spot.

ECALYPTUS OIL.—For B.P. 70 to 75 per cent. several holders are now asking 2*s.* 7*d.* to 2*s.* 8*d.* per lb., but there are still sellers of this grade at 2*s.* 6*d.* and 2*s.* 4*d.* c.i.f. to arrive.



FARINA is quiet, with sales of No. 1 Japanese on the spot at 70s. and sellers; July-October shipment is quoted at 69s. c.i.f.

FENUGREEK-SEED is quoted 42s. 6d. to 45s. per cwt. on the spot for Morocco, and business has been done in new crop at 35s. c.i.f. terms, being lower.

GINGER is again dearer, with spot sales of Cochin up to 140s. and Calicut 135s. Japanese has been sold up to 120s. and buyers. Jamaica has also participated in the advance, common to good common offering at 130s. to 135s., and medium to good 140s. to 150s. The advance in Cochin and Calicut is largely due to speculation.

GUM THUS is offered at 100s. per cwt. on spot.

GURJUN OIL.—The lot of 90 drums catalogued for the auction a month ago, but not offered, has been disposed of privately. Prices are higher.

HENNA-LEAVES are offered at 95s. per cwt. on the spot.

HEXAMINE is offered at from 10s. 3d. to 10s. 6d. per lb. on spot, and a little cheaper to arrive or for parcels now afloat.

HYDROQUINONE remains firm and in limited supply at 18s. net on spot.

LITHIA CARBONATE is firm at 11s. per lb.

MENTHOL is rather firmer, sellers of Kobayashi-Suzuki quoting 14s. on spot and May-July shipment 13s. 6d. c.i.f.

MILK-SUGAR.—The position is still acute, so much so that certain firms have ceased to use it in their preparations.

MORPHINE SALTS.—Makers have advanced their prices, hydrochlor. being 6s. 3d. dearer at 19s. 9d. per oz. net for crystals and 19s. 6d. for powder. Acetate is 19s. 6d., diacetyl hydrochlor. 31s. 6d., meconate 24s. 5d., pure crystals 24s. 8d., pure precipitated 24s. 5d., sulphate crystals 19s. 9d., powder 19s. 6d., and tartrate 24s. 6d. This advance is not unexpected, as makers for many months had been selling at practically below cost to the home trade, relying on the export side for their profit. As exports have been prohibited makers had no recourse but to raise prices.

OILS (ESSENTIAL).—The following are current quotations on spot, unless otherwise indicated: *Star anise*, "Red Ship," is dearer at 4s. 7d. spot and 4s. 3d. c.i.f., with more business passing. *Cassia*, 80 to 85 per cent., 7s. 3d. spot and 7s. 3d. c.i.f.; 70 to 75 per cent., 6s. 9d. spot. *Ceylon Citronella*, 3s. 5d. to 3s. 6d., and Java 4s. 3d. spot. *Clove oil*, 21s. *Bourbon Geranium*, 27s. spot and 27s. c.i.f. *Bois de Rose Femelle*, 16s. 9d. spot and 16s. 6d. c.i.f. *French Spike-lavender*, 5s. 6d. to arrive. *Lemongrass*, 70 to 75 per cent. citral, 6½d. per oz. spot. *Neroli*, 17s. per oz. spot. *French Petitgrain*, 27s. 6d. per lb. c.i.f. to arrive; *Paraguayan*, 17s. spot and 16s. 6d. c.i.f.

PEPPERMINT OIL.—H. C. H. is not offered, and American tin oil can be had in limited quantity at 23s. net on spot. Japanese dementholised oil of mint is 3s. 10½d. on spot.

PHENACETIN.—Competition is still keen, 1-cwt. lots in cases offering at 22s. 6d. on spot.

PHENAZONE.—A few parcels have been taken off the market for export, which gives a little relief; 44s. is about current market value.

PHENOLPHTHALEIN has been selling in quantity at rather cheaper prices of late, but the lowest values are from 40s. to 45s. per lb.

PILOCARPINE.—Hydrochlor. can be had at 26s. per oz. on spot.

PIMENTO has advanced 1½d. per lb. due to speculation. Many parcels have changed hands at from 5d. to 6d., sellers quoting 6d. The stocks are about 40,000 bags, and with a normal consumption are said to be sufficient to last for forty-five years!

POTASH IODIDE.—Japan quotes by cable at 15s. 8d. per lb. c.i.f., which compares with the English makers' price of 13s. 10d.

PYROGALLIC ACID.—The rise in raw material has justified makers in raising their prices 1s. per lb., crystals being worth 16s. and resublimed 18s. 6d.

QUININE has had quite a "run" owing to the influenza epidemic, and this has revealed the scarcity. Business has been done from second-hand holders to consumers at prices varying from 3s. 5d. to 3s. 8d., and owing to the scarcity the sulphate could not be bought below the latter figure on Wednesday.

QUININE ETHYL CARBONATE is easier at 13s. 6d. per oz.

SACCHARIN.—There is evidence this week that supplies of British saccharin are increasing, as aerated-water makers are now to be supplied from this source (see p. 35). Meanwhile, spot prices of uncontrolled saccharin vary from 395s. to 400s. per lb., duty paid, for 550 pure, as to seller, and to arrive sales have been made at about 260s., not duty paid. The demand continues very keen and the market is firm. We understand that licences to import have been granted much more freely, and there appears to be a considerable quantity afloat from America.

SALICYLATES.—An important business has been done in salicylic acid for export, which has slightly relieved the

congestion of certain works. If this demand continues we may look for a much-needed improvement; from 4s. 6d. to 4s. 4½d. represents current spot values. *Soda salicylate* is in better demand at about 6s. 6d. per lb.

SALOL is rather firmer at 10s. 6d. per lb. on spot.

SASSAFRAS OIL.—American natural is offered to arrive at 12s. 6d. per lb. f.o.b. New York, the spot price being about 20s.

SCAMMONY-ROOT is offered at 115s. per cwt. on spot for 12 to 13 per cent.

SENEGA to arrive is offered at 7s. 6d. per lb. net.

SILVER SALTS.—Proteinates is offered at 14s. and nucleinate at 45s. on spot.

SODA HYPOSULPHITE is worth 60s. per cwt. for ordinary crystals in bags ex wharf London.

SPERMACEYL.—American refined is offered at 1s. 8d. net on spot.

TARTARIC ACID is quiet at 3s. 5½d. to 3s. 6d. per lb. on spot. In the drug-auction 10 casks English powder, B.P., 1835, were limited at 3s. 5d. per lb.

TERPIN HYDRATE is offered on spot at 5s. 6d. per lb.

THEOBROMINE.—Makers have reduced their price of pure alkaloid to 50s., soda benzoate to 45s., and soda salicylate to 40s. per lb. net.

VANILLIN is offered by dealers at 63s. on spot and at 63s. c.i.f.

WAX, VEGETABLE.—Japanese is quoted at 129s. on the spot and at 125s. c.i.f.

### London Drug-auctions.

Commercial Sale Rooms,  
Mincing Lane, E.C., July 4.

With the exception of honey and sarsaparilla only small supplies were catalogued by six brokers. There was an absence of benzoin, buchu, gamboge, columba, and myrrh. Very little of the offerings were disposed of, Cape aloes being quite neglected, and a few sales of Curaçao in cases were made at full prices. *Cassia fistula* sold at an advance of about 50s. per cwt., and small sales of American cannabis-indica were made at slightly under the previous price asked. *Cascara sagrada* sells at higher prices privately. Honey met with a fair demand at an irregular decline of from 5s. to 7s. 6d., but little of choice quality was offered. *Ipecacuanha* is about steady, buyers being able to take advantage of sea-damaged parcels at comparatively low prices. *Rhubarb* is quiet, with a scarcity of High-dried. There was practically no demand for *Tinnevely senna*, but *sarsaparilla* found buyers at a slight decline for native Jamaica, grey being 6d. dearer. There was no business in beeswax. The following table shows the quantity of goods offered and sold:

	Offered	Sold		Offered	Sold
Agar-agar	...	23 ... 0	Honey,		
Aloes—			Spanish	(drms.) 14 ... 0	
Cape	...	20 ... 0	Insect-flowers	...	6 ... 0
Curaçao	...	50 ... 14	Ipecacuanha—		
Anise (Russ.)	...	115 ... 0	Matto Grosso	...	41 ... 17
Do. (Sp.)	...	20 ... 0	Minas	...	4 ... 0
Anise, star	...	54 ... 0	Juniper berries...	...	12 ... 0
Balsam tolu	(cs.) 1 ... 0		Kava-kava	...	10 ... 0
Cade oil	...	2 ... 0	Kola	...	10 ... 0
Camphor, ref.	...	13 ... 0	Lehongrass oil	...	6 ... 0
Cannab. ind. (E. I.)	...	2 ... 0	Lime-juice	(pbs.) 56 ... 0	
Do. (Amer.)	...	8 ... 2	Matico	...	24 ... 0
Cantharides (Ch.)	...	12 ... 0	Menthol	...	10 ... 0
Cardamoms	...	18 ... 0	Mint oil (Jap.)	...	9 ... 0
Cascara sagrada	...	170 ... 0	Musk-seed	...	2 ... 2
Cassia fistula	...	30 ... 30	Nux vomica	...	132 ... 0
Cassia oil	...	25 ... 0	Olibanum	...	172 ... 0
Cinnamon-leaf oil	...	13 ... 3	Orange-peel	...	27 ... 0
Citric acid (kgs.)	...	10 ... 10	Rhubarb ...	(cs.) 76 ... 8	
Colchicum-root	...	3 ... 0	Do.	(bgs.) 30 ... 0	
Colocynth	...	7 ... 3	Rosemary-leaves	...	20 ... 0
Condurango	...	5 ... 0	Sage, rubbed	...	15 ... 0
Copaiba	...	50 ... 0	Sarsaparilla—		
Cumin-seed	...	5 ... 0	Grey Jamaica	...	29 ... 28
Dragon's-blood	...	2 ... 0	Honduras	...	10 ... 0
Elemi	...	10 ... 0	Lima-Jamaica	...	18 ... 10
Ergot (Sp.)	...	5 ... 0	Native Jam.	...	40 ... 26
Eucalyptus oil	...	90 ... 5	Scopolia	...	4 ... 0
Fennel-seed (Fr.)	...	40 ... 0	Senna and pods—		
Gentian	...	153 ... 0	Alex.	...	218 ... 6
Grindelia rob.	...	6 ... 0	Tinnevely	...	308 ... 4
Gum acacia	...	262 ... 0	Squill	...	236 ... 0
Henbane	...	21 ... 0	Stramonium	...	3 ... 3
Honey—			Tartaric acid	...	10 ... 0
Argentine	...	335 ... 283	Tragacanth	...	2 ... 2
Chilian	...	230 ... 13	Turmeric (Beng.)	...	136 ... 0
Cuban	...	349 ... 128	Turpentine	...	1 ... 0
Honolulu	...	50 ... 50	Wax (bees)—		
Jamaica	...	160 ... 42	Abyssinian	...	274 ... 0
Porto Rico	...	19 ... 0	East Indian	...	19 ... 0
Portuguese	...	3 ... 0	Morocco	...	20 ... 0
St. Lucia	...	21 ... 21	Mozambique	...	168 ... 0
San Domingo	...	225 ... 180	Wax, veg. (Jap.)	...	60 ... 0

AGAR-AGAR.—The private market is quiet at 3s. 6d. on the spot for No. 1 Kobe. In auction 20 bales of No. 2 Yokohama strip were limited at 2s. 10d.



**ALOES.**—Quiet. A lot of 50 boxes Curacao offered, and 14 sold at 130s. for good livery, and at from 120s. to 125s. for fair, part capey. Cape aloes was neglected, good seconds being limited at from 50s. to 52s. 6d. per cwt., and common at 40s.

**ANISE.**—In auction 115 bags of Russian were limited at 85s. per cwt. net and gross for net.

**CANNABIS INDICA.**—Two parcels of American sold at 18s. per lb., and the price of genuine Bombay tops is 20s. per lb.

**CANTHARIDES.**—Four cases of ordinary dull Chinese sold without reserve at 4s. 4d.

**CASCARA SAGRADA.**—A lot of 170 bags good thin, part quilly, bark was retired at 160s., the nearest bid being 150s.

**CASSIA FISTULA** was about 50s. per cwt. dearer, 30 bags fair bold, part rattly, Dominican selling at 132s. 6d.

**CINNAMON OIL.**—Thirteen cases of Ceylon leaf containing 80.5 per cent. phenols was offered, and three sold at 1s. per oz.

**COLOCYNTH.**—Three cases ordinary small to medium partly broken apple sold at 1s. per lb., and for brownish pulped 1s. 9d. was wanted.

**ERGOT** is still very scarce, and for five bags of fair bold Spanish in auction 5s. per lb. was wanted.

**EUCALYPTUS OIL.**—Five cases, containing 75 per cent. eucalyptol, sold at 2s. 6d. per lb.

**GENTIAN.**—Several parcels of French and Spanish were limited at from 90s. to 92s. 6d. for good quality.

**GRAM ACACIA.**—In auction 135 bags part woody Ghatti were limited at 75s., and 120 bags small to bold glassy Sudan sorts at 85s. per cwt.

**HONEY** was in good general demand, and as importers showed a readiness to meet the market, prices showed an irregular decline of, say, from 5s. to 7s. 6d. per cwt., but choice quality was somewhat scarce. The following prices were paid: Of *Jamaica*, 160 barrels offered and 42 sold, comprising palish to pale set 190s. to 192s. 6d., and dark brown liquid 187s. 6d. to 190s. Of *Chilian*, 280 barrels offered and 230 sold, good amber liquid at 187s. 6d., brown set and brown setting at 180s. to 182s. 6d., and common fermenting at 170s. Of *Argentine*, 355 packages (mostly cases) offered and 280 sold, palish set and setting at 192s. to 194s., greyish to pale set 182s. 6d. to 186s., amber set and setting 180s. to 190s., and inferior 175s. to 177s. Of *Honolulu*, 50 cases (2 tins in a case) offered and sold at from 198s. to 202s. for good to fine pale set. Of *Cuban*, 349 casks (mostly 5½ cwt. each) offered and 128 sold, fine pale set at 197s. 6d., good pale set and setting at 185s. to 190s., pale brown set at 187s. 6d., dark brown and mixed at 175s. to 177s. 6d., common dark liquid at 160s. to 171s., fermented at 165s. to 170s. Of *San Domingo*, 225 casks offered and 180 sold, fine pale set at 195s., good pale set at 185s. to 190s., light amber set and setting at 190s., fair amber liquid at 182s. 6d. to 185s., darkish setting at 185s. Of *St. Lucia*, 21 cases offered and sold at from 187s. 6d. to 192s. 6d. for pale ambery setting.

**IPECACUANHA.**—Buyers' wants were filled by the sale of 15 bales of Matto Grosso, all more or less sea-damaged, which sold at from 8s. to 9s. 2d. per lb. for slight to badly damaged. The value of good stout sound is 11s. to 11s. 6d., and common wiry grey can be had at 10s. Minas was limited at 10s. 6d.

**LIME-JUICE.**—A parcel of 56 puncheons Jamaica was bought in, the price of good pale raw being 4s. 6d. per gallon.

**MUSK-SEED.**—Two bags of Trinidad sold at 2s. 6d. per lb.

**NUX VOMICA.**—A lot of 132 bags good bold seed was limited at 75s.; they are likely to be sold privately.

**RHUBARB.**—Quiet. High-dried is extremely scarce, and for a single case an advance of about 4d. was paid, 2s. being realised for bold round horny with three-quarters good pinky fracture. A case of medium to bold flat Shensi sold at 2s. 6d., and a case of Shensi pickings went at 1s. 9d.

**SARSAPARILLA.**—Native Jamaica was slightly easier, 26 bales being disposed of at from 4s. 3d. to 4s. 8d. per lb. for dull red and yellow mixed to good bright red; 28 bales of grey Jamaica sold at 5s. 3d. to 5s. 6d. for fair fibrous, and at 5s. for part slightly mouldy. Of Lima-Jamaica, 28 bales offered and 10 sold at from 5s. to 5s. 1d.; 10 serons Honduras were limited at 5s. 6d.

**SENA.**—Six bales of Alexandrian pods sold on account of the underwriters at from 1s. 6d. to 1s. 11d. for sea-damaged.

**STRAMONIUM-LEAVES.**—Three bales of South African (each about 28 lb.), which had been shipped by Mrs. J. G. Brown, of Somerset East, Cape Colony, with instructions that the proceeds are to be paid over to St. Dunstan's Hospital, Richmond, were offered without reserve by Bowyer & Bartlett. There was keen competition for the parcel, and it was sold and resold many times over, one lot finally being taken at 179d. During the sale a number of cheques, etc.,

were donated, and Mr. Annison announced at the close of the auction that altogether a sum of 300l. had been realised for the hospital, or 100l. for each bale—a very satisfactory result—on which he congratulated the drug-trade.

**TURMERIC.**—The private market is dearer, Madras finger offering at 125s. and Cochin split bulbs at 95s. For 136 bags Bengal finger offered in auction a bid of 90s. is to be submitted to the owner.

**WAX, BEES'**, was quite neglected, the value of fair Mozambique block being from 9l. 10s. to 10l. per cwt. No Jamaica offered.

### Rosin Prices Fixed.

The Ministry of Munitions (Non-ferrous Materials Supply Department) have appointed the United Kingdom Rosin Distributors' Association for the distribution of Government rosin. The Ministry on June 28 fixed the following prices: American, B/G, 55l.; H/M, 56l.; N/WW, 57l. 10s. per ton net cash, ex warehouse or store. French or Spanish, B/G, 54l.; H/M, 55l.; N/upwards, 56l. 10s. per ton. Taro allowance, 20 per cent. American, 7 per cent. French or Spanish. The rosin is sold in the specified groups of grades (no one particular grade guaranteed). The above prices are ex store U.K. ports, where stocks exist. At the moment the only Government rosin available is French (various grades). A supply of American Government rosin, of all grades, is expected about the end of July. The offices of the Association are: 28 St. Mary Axe, London, E.C.; 23-24 Imperial Buildings, Exchange Street, Liverpool, E.; 142 Queen Street, Glasgow. Buyers must send inquiries through their usual sources of supply.

### Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the ports of London and Liverpool during the period named below. Particulars of imports of oils, oilseeds, nuts, fats, gums, boney, etc., are not now published.

To London (June 15 to 21).	unrated, 17 cks. 122 pks.; carmine of cochineal, 2 cs.; chestnut ext., 810 cks.; cutch, 1,425 bxs.; gambier, 170 cs.; hemlock ext., 550 cks.; myrabolans, 4,000 pockets 1,280 bgs.; tanners' bark, 207 tons.	Potash iodide, 30 cs. Tartaric acid, 60 gals. Drugs, etc., unrated, 4 cs.
Canary-seed, 16 bgs.	Adrenalin, 1 pel.	Aconite-root, 1 bag
Chemical products, etc., unrated, 2 cs.	Benzyl acetate, 3 cs.	Campbor, 50 cs.
Bromides: potash, 20 cks.; soda, 8 cwt.	Caffeine, 5 cs.	Copalba, 5 brls. 183 cs. 1 ck.
Campbor, 300 bxs.	Cream of tartar, 4 cks.	Ergot, 11 bgs.
Iodine, 602 gals.	Potash carbonate, 35 cs.	Fennel-seed, 8 bgs.
Potash sulphate, 100 bgs.	Quinine, 25,000 oz.	Gentian, 613 bgs.
Resorcin, 2 cs.	Soda hyposulph., 20 tons	Ipecacuanha, 6 brls.
Sulphonal cryst., 1 cs.	Tartaric acid, cryst., 100 gals. 40 cks.	Sarsaparilla, 5 bgs. 45 brls.
Terpineol acetate, 2 cs.	Theobromine soda sal., 8 cs.	Squill, 209 bgs.
Thorium nitrate, 6,230l.	Unrated, 12l.; herbs, dried, 61 brls.	Thyme, dried, 0 brls.
Anise oil, star, 25 cs.	Black-currant ext., 1 cs.; raspberry ext., 3 cs.	Wormseed, 14 bgs.
Cardamom oil, 1 cs.	Gentian, 10 brls.	Dyes, dyeing and tanning materials, etc.: chestnut tanning ext., 1,962 cks. 466 bgs.; cutch, 750 bxs.; fustic wood, 25 tons; fustic ext., 17 cks.; fustic liquor, 260 brls., indigo, 45 cs.; logwood ext., 100 cs. 35 cks.; myrabolans, 6,922 bgs. 3,000 pockets
Insecticides, 8 cs.	Male-fern ext., 14 cs.	Lithopone, 172 brls.
Male-fern root, 51 brls.	Surophanthus, 70 bgs.	Pimento, 1,250 cs.
Vanilla-beans, 13 cs.	Yerba mate, 53l.	Plumbago, 338l.
Dyestuffs, dyeing and tanning materials,		Starches (bags): cassava, 11; dextrin, 100; farina, 1,901; potato, 5,739; rice, 520
		Talc, 6,681 bgs.
		Wax, bees', 6 brls. 65 ballots
		Wax, carnauba, 1,137 bgs.
		Wax, mineral, 78 bgs.
		Wax, para n, 2,066 brls. 490 bgs.
		Wax, vegetable, 227 cs.
		Zinc dust, 90 cks. 566 cs. and 7 tons 12 cwt.

**INDEPENDENCE DAY ON 'CHANGE.**—Mr. J. W. Drysdale (J. W. Drysdale & Sons) proposed on the London Royal Exchange to-day (July 4) that the following message should be sent to President Wilson, Washington: "Representatives of the London drug, chemical, and allied trades, meeting to-day on the Royal Exchange, send hearty congratulations on the celebration of Independence Day, and pray that the magnificent efforts of yourself and people in support of our Allied cause for freedom may soon be crowned with victory and permanent peace." This was carried by acclamation and musical honours.





Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

#### Military Service.

SIR.—Permit me to endorse your view expressed in the editorial article on the above subject (*C. & D.*, June 29, p. 42), suggesting that the Civil Liability Commissioners should be approached in all cases where chemists are called up for military service. It is just for the purpose of compensation in the matter of rents, insurance premiums, and school-fees that this Department of the State was inaugurated. My own experience of the Civil Liability Commissioners has been exceedingly pleasant. My house-rent came to 51*l.* 10*s.* per annum and after filling up a form this amount was sent to my family in quarterly instalments. This was continued after I received a commission. The maximum grants made by the Committee are, I believe, 104*l.* per annum, and I know several prospective recruits for the Army who have been promised 80*l.* a year from this Fund if they are taken for service.—Yours faithfully,

LANCASTRIAN. (118/23.)

SIR.—While I expected and invited criticism by my letter on Military Service (*C. & D.*, June 22, p. 50), I had not pre-conceived that the criticism of "Xrayser II." would take the form it did. Had he credited me with sufficient erudition to differentiate between strategy and tactics, which he surely should have done, his criticism must have been otherwise. I used the words "management" and "business strategy" or "organisation." By management I mean the act, art, or manner of managing, directing, controlling, or conducting; by strategy I mean the combination of means on a broad scale for gaining advantages—generalship as distinguished from tactics—and by organisation I mean the act or process of bringing into systematic connection and co-operation the integral parts of a living whole. "Xrayser II." is of the opinion that "strategy" is for the headquarters staff alone. So am I, most strongly. Nor did I state that strategy could be "decentralised," which he seems to infer, since such a feat, if possible, could only result in blind confusion. I did state, however, that good strategy can only have effect as the result of "decentralisation," and I most emphatically contend that this is an incontrovertible fact. "Xrayser II." states that "the true strategy for us is . . . to insist upon our statutory and professional obligations, and to ignore all personal and purely business hardship." I should describe that as policy, and I should consider it good strategy if, by linking up the results to be obtained as the outcome of decentralisation, a manoeuvre could be executed which would provide undeniable proof that the number of men available for civil needs was such that any further withdrawal would result in a breakdown of our service, and render nugatory our statutory and professional obligations. My complaint was that a lack of central thought and imagination had resulted in the aggregate returns by our local Committee showing the number of men available for civil needs as greater than it actually is, and this I considered, and still consider, as "scarcely good strategy," and which, as stated in my letter, should have been prevented centrally. The only other instance in which the word "decentralisation" was used in my letter was in connection with the calling-up of chemists for examination under the Military Service (No. 2) Act, 1918, and this, I maintain, is purely a matter for local settlement, when we consider the clearly phrased instruction issued by the Ministry of National Service. Where is the weakness?

Yours faithfully,

CLEMENT W. RIDYARD.

Codnor.

#### Dispensing Charges.

SIR.—The suggestion in your leaderette of last week (p. 45) concerning a special charge for dispensing prescriptions under the Narcotic Drugs Order and Cocaine and Opium Regulation is only just and reasonable. When one considers the seventeen requirements under the Order and the nineteen requirements under the Regulation that have to be borne in mind and complied with by the harassed and overworked chemist, surely an extra shilling cannot be regarded as out of place. Personally, I consider six pence quite inadequate for the trouble and time taken, and I hope my brothers in the craft will come to some understanding whereby a recognised fee of not less than one shilling shall be charged on each transaction of this kind. The matter will have to be taken up, however, by

some vigorous organisation, such as the Face Values Committee. Bitter experience has shown us that such sordid financial matters when left in official hands usually result in a compromise whereby the luckless chemist is rewarded by 0.003 of a penny.

Yours truly,

CHRIS. COURTENAY.

#### Popularising Venereal Diseases.

SIR.—There seems to be some Society engaged in popularising venereal diseases. One sees in the papers advertisements arranged like reading matter which tell all and sundry what syphilis and gonorrhoea are, the symptoms, and how those who contract these diseases can be cured quickly, free of expense and without publicity. Is this a new method of advertising which has been adopted by the doctors?—because it is certainly popularising these diseases, which will soon be as familiar as appendicitis and Spanish "flu." To hear young boys and girls talk glibly of these diseases is grating to my old-fashioned prejudices. In my opinion these advertisements are encouraging vice, and there ought to be prosecutions against the people who are doing the business. But I am told that the Local Government Board has something to do with the matter, and that in the circulars distributed by the free clinics chemists are referred to in insulting terms, which seems to show that doctors are at the back of it. The Pharmaceutical Society should institute a similar advertising scheme and not let the doctors have it all their own way. It seems that although doctors may not advertise directly it can be done in this way, because, although they are paid extravagant salaries and high fees in connection with the free clinics, it is not "infamous conduct" on their part, as the advertising is being done for them by a Society. Anyhow, it is a 'cute scheme, and the Pharmaceutical Society, which cut such a poor figure in the matter of the Venereal Disease Act, might yet earn a reputation for looking after chemists' interests. The Society could advertise the simple drugs used for treating venereal diseases, and add a note, "You have only to go to your chemist for these, but ask no questions." The advertisements would have to be drawn up in a similar style to those issued on behalf of the free clinics, as these apparently do not infringe the law.

Yours faithfully,

OLD-FASHIONED. (79/8.)

#### Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

##### Appreciations.

"I have known the *C. & D.* since 1890. Without it the evening of the week seems incomplete, and there is an aching void left if my old friend is wanting."—*C. S. T.* (91/20).

"I enclose cheque 12*s.* 6*d.* and my apologies for overlooking the subscription. As long as the flag flies over the old name on this paper, my late father's favourite journal, the *C. & D.* will be ever welcome."—*G. J. S.* (187/33).

"Herewith 12*s.* 6*d.*, the best I ever spent. I don't see how any chemist can afford to be without your valuable and entertaining weekly. It keeps one in touch with all 'the latest' in pharmacy. All good wishes for continued prosperity."—*H. M. R.* (67/40).

"I send my renewal of subscription herewith with pleasure. I am well repaid for such a small outlay. I am of the opinion that not enough time is spent in purely business reading. I have devoted much more time recently to it, and find that it repays me well."—*A. W. S.* (188/13).

"I have great pleasure in renewing my subscription for THE CHEMIST AND DRUGGIST. In these days of anxiety and stress, when we are told to 'study economy,' we of course cut down expenses, and go on 'rations.' This applies in some cases, to the expenses attached to buying periodicals and newspapers—but to ration oneself and omit to obtain THE CHEMIST AND DRUGGIST would be false economy, because in my mind it is the paper which shows chemists how to study 'economy' in a practical, businesslike way. And so, while I believe in studying economy, the practical way to do so with THE CHEMIST AND DRUGGIST is to 'carry on.'"

—*E. D. G.* (180/2).

##### Treatment of Red Hands.

"A typist, who does little or no housework to soil her hands, is much vexed because, although perfectly clean, they always appear red as if they had more than their share of blood. She is slight, and not full-blooded. I shall be obliged if any *C. & D.* reader can suggest any good treatment."—*Irene* (118/43).



### Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

*H. J. B.* (109/20).—The substance you send appears to be one of the green colours employed for tinting distemper, but we cannot give it a definite name.

*Leetsag* (13/4).—REMOVING INK FROM PARCHMENT.—Oxalic acid solution will generally obliterate ink-stains from parchment. The acid should afterwards be neutralised by applying lime-water.

*F. E. M.* (100/1).—We are not acquainted with the lozenges to which you refer, but the fact that sugar is required in the manufacture renders it unlikely that you would be able to make lozenges of a similar kind at the present time. You would probably find that a boiled-sugar basis such as is used in making digestive candy would be the best for your purpose; the flavouring or medication of such a basis is not difficult.

*G. T.* (119/89).—AMMONIATED TINCTURE OF QUININE AND CINNAMON.—This preparation, much in demand for influenza, is prepared by mixing equal parts of ammoniated tincture of quinine and essence of cinnamon (1 in 10). If a coloured preparation is preferred tincture of cinnamon should be used in place of the essence.

*Extra* (118/91).—QUININE-AND-CAMPHOR DROPS.—The following formula under this name has been employed as a remedy for influenza:

Tr. aconiti	...	...	...	mc.
Sp. camph.	...	...	...	3ij.
Tr. lavand. co.	...	...	...	3ij.
Tr. quin. amm. ad	...	...	...	3xxiv.

Put up in 3iss vials. Label: One teaspoonful in a wineglass of water every two, three, or four hours until relieved.

*L. S.* (Oporto) (66/52).—MANUFACTURE OF INFANTS' AND INVALIDS' FOODS.—We do not know of any book especially devoted to this subject. "Pharmaceutical Formulas" (Office of *C. & D.*, 10s.) contains a chapter dealing with the composition of various foods.

*G. & Co.* (19/9).—MANUFACTURE OF SACCHARIN TABLETS.—The two strengths usually sold are tablets containing 0.3 gr. of 550 saccharin (equivalent to  $\frac{1}{2}$  gr. of 330 saccharin), and those containing 0.15 gr. These are officially designated as "full strength" and "half-strength." An equal quantity of sodium bicarbonate is employed along with the saccharin, but the two ingredients are separately granulated and mechanically mixed before compression. The object of this is to take advantage of the reaction between the sodium bicarbonate and saccharin to promote disintegration when the tablet is added to tea or coffee. Formerly cane-sugar and milk-sugar were used as diluents for the saccharin, but at the present time tablets consist of saccharin and sodium bicarbonate only. Each maker has his special method of granulating, but when the ingredients are separately prepared theobroma emulsion can be employed. The formula for this is:

Theobroma oil	...	...	...	25
Hard soap	...	...	...	5
Tragacanth	...	...	...	0.5
Benzoic acid	...	...	...	0.25
Water to	...	...	...	100

Dissolve the soap in 25 parts of water by heat, add the hot solution to the melted theobroma, and mix by whisking or agitation; shake in the tragacanth, add the benzoic acid, then the remainder of the water. Gum acacia may be used in place of the soap.

*Phendgin* (82/9).—KIDNEY-MIXTURE.—The following is a useful formula for a mixture for pain in the kidneys:

Potass. bicarb.	...	...	...	3iss.
Liq. potassæ	...	...	...	3ij.
Tr. hyoscy.	...	...	...	3ij.
Sp. æther. nit.	...	...	...	3ss.
Sp. juniperi	...	...	...	3ij.
Chloroformi	...	...	...	mvj.
Inf. buchu conc.	...	...	...	3iss.
Aq. ad	...	...	...	3iss.

Label: One teaspoonful in a wineglass of water, three times daily.

*Vanilla* (109/15).—COCOA-POWDER.—This is a mixture of cocoa (2), sugar (1), and milk-powder (3). The figures in parentheses indicate approximately the proportions of the ingredients.

*Calais* (118/11).—POTTED MEATS.—The following are the recipes to which you refer. They were originally printed in the *C. & D.* about thirty years ago, and are also given in "Pharmaceutical Formulas":

#### Potted Beef.

Australian beef	...	...	...	7 lb.
Ground rice	...	...	...	1½ lb.
Powdered cayenne	...	...	...	q.s.
Powdered mace	...	...	...	q.s.

Mix all together roughly, then pass through mincing-machine, beat up in mortar, and pot.

#### Potted Hare.

Australian beef	...	...	...	4 lb.
Australian rabbit	...	...	...	3 lb.
Ground rice	...	...	...	2 lb.
Powdered savoury herbs	...	...	...	q.s.
Cloves	...	...	...	q.s.
Allspice	...	...	...	q.s.

Proceed as above.

#### Potted Ham.

Australian beef	...	...	...	3 lb.
Boiled ham	...	...	...	3 lb.
Ground rice	...	...	...	1½ lb.
Allspice	...	...	...	q.s.

Proceed as above.

The manufacture is very simple, and can be profitably worked on a very small scale. The meats may be put up either in tins, earthenware pots, or glass jars; the first involve most trouble, as they have to be soldered, and afterwards boiled to expel the air. For the actual manufacture the apparatus required is a small mincing-machine and a pestle and mortar. The small maker will find it convenient to make the Australian tinned meats the basis of all the various kinds. It is well to note that the sale of such preparations under misleading names may be an offence under the Merchandise Marks Act.

*Jehu* (83/71).—TOOTH-EXTRACTION.—The lotion which is given for use after the extraction of teeth should be of an antiseptic nature. The following is the usual preparation:

Ac. carbolic	...	...	...	aa.
Liq. potassæ	...	...	...	3iv.
Aq. ad	...	...	...	3iv.

One teaspoonful in half a tumbler of warm water to be used as a mouth-wash three times a day.

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*H. K. P.* (89/66).—BOOK ON ANGINA PECTORIS.—The most modern work on this subject is Sir Clifford Allbutt's "Diseases of the Arteries, including Angina Pectoris" (2 vols., 30s., Macmillan). The second volume contains suggestions as to suitable diet for those who suffer from angina pectoris.

## Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," July 15, 1868.

### Pharmacy Bill.

The Bill came before the House of Commons on Friday night at a late hour, and was opposed by Mr. Lowe, who hoped that it would not be proceeded with. Mr. Headlam, however, said he felt bound to go on with it, and the House accordingly went into committee. On the first clause, which provides that persons selling or compounding poisons, or assuming the title of chemist and druggist, shall be duly qualified, Mr. Lowe proposed an amendment to make registration under the Act compulsory, instead of optional, as regards persons now carrying on business. Mr. Bruce supported the amendment, but Mr. Headlam objected to it, on the ground that the chemists and druggists had been assured that registration was to be optional. The House, however, decided that registration should be compulsory. We believe that the great majority of chemists now in business will be satisfied with this amendment, as it is only by registration that they can secure proper recognition. The proposal to make registration optional did not emanate from the chemists and druggists, but from a select committee of the House of Commons.



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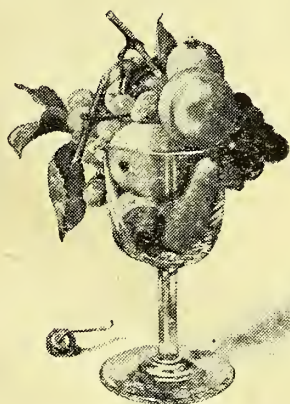
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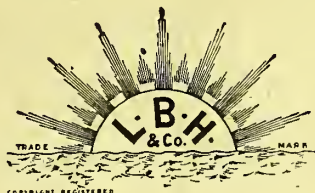
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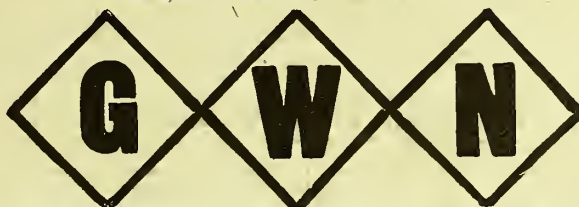
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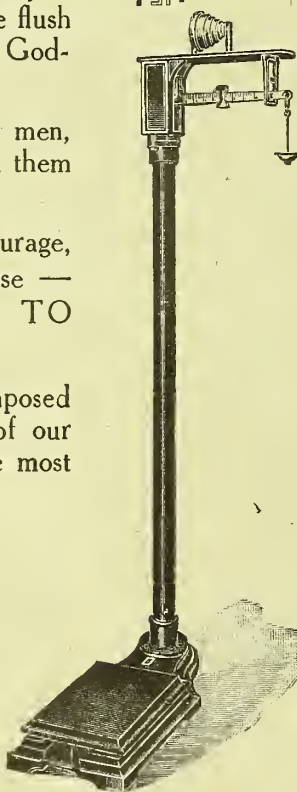
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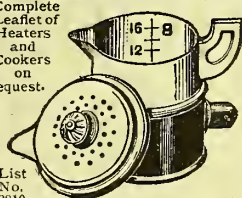
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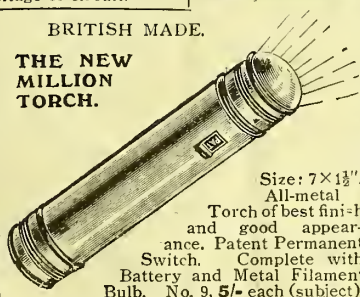


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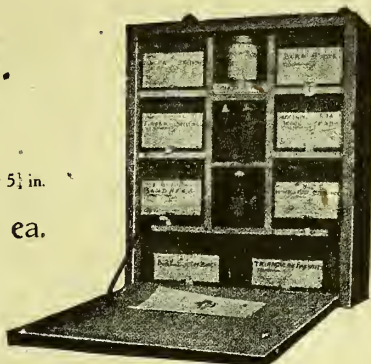


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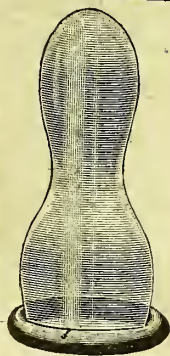
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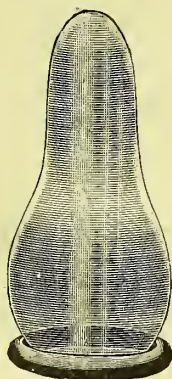
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LTD.

**SUPPLY** CHEMISTS, DRUGGISTS,  
PHARMACISTS, STORES  
AND INSTITUTIONS

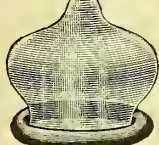
with the well-known OYLER super quality of



No. 70



No. 41



No. 25

SEAMLESS RUBBER  
**TRANSPARENT TEATS**

THROUGH the WHOLESALE ONLY.

OUR perfect designs and improved manufacturing methods make these Bottle Nipples and Teats for Baby Soothers the most perfect obtainable, without equal for quality, durability and satisfactory service. Toughest; most flexible and most transparent; stand boiling; easiest to clean and sterilise; best for tropical climates.

Wholesalers, Factors & Export Houses are invited to apply for exclusive Territories now being allotted, with up-to-date Advertising Advantages.

Retailers should write for List, Name of Local Wholesaler, and Counter Showcard of samples.

**35 New Cavendish St., Harley St., London, W. 1**

Wires: "Oylerism, Wesdo, London."

Phone: Mayfair 631.

**OYLER'S**  
LTD.



## ELLIOTT OPTICAL CO.

(Proprietor - GUY E. DRIUFF)

104-5 GT. SAFFRON HILL,  
LONDON, E.C. 1

## "RODINE"



destroys the rats and  
saves the foodstuffs.  
Every tin sold yields  
nearly 100 per cent.  
profit. Push it now—  
it pays.

SOLE MAKER:

**HARLEY,**

Manufacturing  
Chemist,

PERTH, Scotland.

Export Agents:  
Tozer, Kemsley & Millbourn, Ltd.,  
84 Fenchurch St., London, E.C. 3.

# "J. GREEN" BRITISH MADE FILTER PAPERS

CORRESPONDING TO THE GERMAN  
Nos. 595, 597, 598, 602, 604, etc.

ALSO

## Double Washed Ashless Filters

to replace the German make  
(Weight of ash of 12.5 cm. circle = .00026 gr.)  
described in our list as

J. Green Ashless No. 2.

SOXHLET THIMBLES,  
FOLDED FILTER CIRCLES, &c.

For Samples and Prices apply to  
any of the leading Laboratory  
Furnishers.

Makers—

J. BARCHAM GREEN & SON,  
HAYLE MILL, Maidstone, ENGLAND.

## "FLYBANE" W.D.O.

For industrial purposes.

## "VERMIJELLI LIQUID"

For manure heaps. Kills maggots before  
the flies come into existence.

## "GARDEN WASH"

A simple wash for growing plants.

Manufactured by **S. BOWLEY & SON**  
Wellington Works, Battersea Bridge, S.W. 11.

## STICKY FLYCATCHERS

Bands and Tapes.

"FLYSAC."

"VIPER."

"VAMPIRE."

"BIG BAT" FLYPAPERS.

"CHESHIRE" and "DAK" Birdlimes.

For Rats, Mice, etc.

"ORBITE" Banding Material.

For Fruit Tree's.

SOLE MAKERS:

Kay Brothers Limited, Stockport.

## GESTIVO FOOD FOR INFANTS AND INVALIDS

Attractive Showcards, Window Bills and Free Samples  
are sent with all Orders.

YOUR OWN NAME printed on Wrappers, if desired.

PACKETS, 2d., 4½d., 8d., 1/1,  
and Cost, 13/6, 3/-, 5/9, 9/9.

GROSS DOZ. DOZ. DOZ.

TINS, in two sizes, 10d. and 1/4,  
Which cost 7s. doz. and 11/6 doz.

**MAURICE SMITH & Co.**

Manufacturing Chemists and Food Specialists,  
KIDDERMINSTER.



Antiseptic.



Absorbent.

“ **CYNTA** ” Registered  
**HYGIENIC TOWELINES**  
 FOR LADIES

SEAMLESS KNITTED  
 ELASTIC COVER.

UNEQUALLED  
 FOR COMFORT

**GUARANTEED ENGLISH MANUFACTURE THROUGHOUT**

*Approved and recommended by the Medical Faculty*

**IN PACKETS of 1 DOZEN**

**REVISED  
 TRADE PRICES.**

Size 1.  
**13/6**

Size 2.  
**18/-**

Size 3.  
**22/6**

Size 4.  
**27/- per gross.**

**TO THE PUBLIC.**

**1/6**

**2/-**

**2/6**

**3/- per packet.**

Size No. 4 suitable for Accouchements

Sizes Nos. 1 & 2 in packets of ½ dozen at extra cost of 6d. per gross Towels

" " 3 & 4 " " " " 1/- " "

**The Most Comfortable of all Ladies' Towels.**

**THE CYNTA MANUFACTURING COMPY.**  
**St. Thomas' Place,**  
**STOCKPORT.**



## "Prana" Sparklets.

### NOTICE TO THE TRADE.

MESSRS. AERATORS, LTD., regret that it has been, and will be for some time yet, impossible for them to meet demands for the "Prana" Sparklet Syphons and Bulbs, not only owing to other urgent war work, but also to the restricted supply of materials and the large demands (which must be considered preferentially) by the Expeditionary Force Canteens, Red Cross Society, &c. &c.

As regards "D" Bulbs, for the time being it is only possible to refill empty bulbs returned, and the Company request the co-operation of the Trade in the return of as many empties as possible for refilling.

**AERATORS LTD.,**

"Prana" Sparklet Works,  
Upper Edmonton, N.

## More Customers

The  
Beverage



of  
Health

Will call at your store if they know you stock Vi-Cocoa because this food beverage of the people is in great demand as a tonic restorative in cases of mental and physical overstrain.

Display Vi-Cocoa in your window—it will attract many who would otherwise pass you by. Write for trade terms to-day—they are particularly favourable.

**Vi-Cocoa**

The Watford Mfg. Co. Ltd.  
Delectaland — Watford.

## MASON'S EXTRACT of HERBS



The most Refreshing, Delightful,  
Exhilarating, Health-giving, Eco-  
nomical, Thirst-quenching Beverage  
in the World.

### THE CHEAPEST HARVEST DRINK.

MANUFACTURERS:  
**NEWBALL & MASON**  
NOTTINGHAM.



## ALTERATION IN PRICES

# Aquaperia

(HARROGATE)

THE CHEMISTS'  
APERIENT  
MINERAL WATER

## WAR PRICES

Per **10/-** Doz.

**9/6** per dozen in 6 dozen lots.

*Carriage Paid on 2 doz. and upwards.*

MINIMUM RETAIL PRICES to the PUBLIC

**1/4** per Bottle P. A. T. A.

*2/- per doz. allowed for empty bottles  
returned carriage paid to our factories.*

**Special Export F.O.B. Quotations  
including Packages.**

**SPECIAL  
ALLOWANCE**  
for  
**Window  
Display**



Standardised and Bottled by CAMWAL  
Ltd. at their Spring at Harrogate.

Supplants Apenta, Hunyadi-  
Janos and Enemy Waters  
of Similar Character.

Of all Wholesale Houses and

# CAMWAL

LTD.

HARROGATE, MANCHESTER, BIRMINGHAM,  
BRISTOL, MITCHAM, LONDON, and Depots.



'PEACE & COMFORT WELL SECURED'

(See label on tin)

HAWLEY'S I.K.

Codes: A B C, 4th & 5th.  
Telephone: Hop 334.

Telegrams:  
"ANISEED, FRIARS, LONDON."

**F. W. POWELL, M.P.S.,**  
85 Blackfriars Road, London, S.E. 1.

**Chemicals** (Pharmaceutical  
and Technical)  
**Drugs, Oils, Waxes**  
and General Produce.

Correspondence invited where specially large quantities are  
required or offered.

Special Quotations to Manufacturers and Exporters.

**Britannia Glass Works**

**ST. ANN'S ROAD, E. 3.**

Proprietors: C. H. MOODY & CO., 181 Queen Victoria St., E.C. 4

**All Descriptions of Small Chemists'**  
**Bottles, Tablets, &c., in all colours.**

Phone: CITY 8445. Telegrams: "Chalmoco, Cent, London."

**The BRADFORD WOOL EXTRACTING Co. L<sup>td</sup>.**  
**are ACTUAL MANUFACTURERS of**

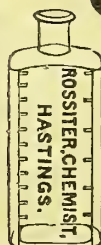
**PHENACETIN**  **SALICYLIC ACID**

Telephone No. 2638

**PIT LANE MILLS, BRADFORD.**

Tele. "Production."

**GLASS BOTTLES** **WHOLESALE**  
**and EXPORT**



**Medical Flats** { Best Quality, Quinine Tinted.  
Pale Tinted, 2nd Quality.  
**Panels** ,, Pale Green.  
**Vials, White Flint.** All sizes.  
**Poisons.** Actinic Green, Blue or Amber.

SAMPLES AND PRICES UPON APPLICATION TO—

**FARROW & CO., 87 Borough High Street, LONDON, S.E.**

Telephone—HOP 3222.



By Royal Warrant of Appointment  
to H.M. The King.



By Royal Warrant of Appointment  
to H.M. The King.

Only  
**ONE**  
Address.

**DAY & SONS,** ESTABLISHED 1840.  
**CREWE. LTD. (CREWE)**  
HORSE, CATTLE, SHEEP & DOG MEDICINES.

Only  
**ONE**  
Address.

**LARGEST SALE IN THE WORLD.**



### DAY'S BLACK DRINK

Cures Colic or Gripes in Horses or Cattle, Scour and Weakness in all Young Stock, Blown Cattle and Sheep. Debility, Chills and Low Condition in all Stock.

Price 1/8 per bottle

### DAY'S HUSKOLEIN

Almost infallible for Tape Worms in Lambs and other Animals; for Husk or Hoose in Calves, Lambs, &c. A speciality for Worms in Horses and Colts.

6/6 per bottle

### DAY'S ZOMO-SAL.

For Blood Disorders, Humours, General Weakness, Surfeits, Indigestion, Sterility, &c., in Horses and Beasts. Promotes Growth of Bone. Makes animals "fit" for Show or Sale.

In Canisters at 7/6, 20/-, and 40/-

### DAY'S RED DRINK

OR COW DRENCH.

For Costiveness, Loss of Cud, Indigestion, Garget, Colds, Fever, Hidebound, &c., in Cattle. Prepares Cows for Calving, Prevents Milk Fever, and cures Bad Cleansing.

12/- per doz. packets.

The Ewe Drench for Ewes, 3/6 per doz.

### DAY'S OILS

(THE PURIFIED DRIFFIELD OILS)

Heal all Wounds in Horses, Cattle, and Sheep, Sore Teats and Swollen Udders in Cows and Ewes. For Anointing in difficult Lambing or Calving.

2/6 and 6/- per bottle.

### DAY'S WHITE OILS.

A Safe Embrocation for Sprains, Swellings, Windgalls, Sprung Sinews, Rheumatism, Sore Throat, Weak Joints, &c.

2/6 and 6/- per bottle.



### DAY & SONS' "ORIGINAL" MEDICINE CHESTS

Price £1 4s., £2 4s., £5, and £10 10s. ; Carriage Paid.

Arranged for Horses, Cattle and Sheep; Horses only; or to suit any class of stock.

WHEN ORDERING PLEASE STATE REQUIREMENTS.

The Chest Illustrated is similar to that at £5 and £2 4s.

Great Specialities.

**ONLY GENUINE FROM**  
**DAY & SONS, CREWE, LTD.,**  
**CREWE, ENGLAND.**

**LIBERAL TERMS FOR FOREIGN BUYERS.**



ESTABLISHED 1846

**E. FORSHAW & SON LTD** Tel. 123  
SOAP AND CHEMICAL PLANT MAKERS,  
WARRINGTON, ENGLAND.

SOAP & CHEMICAL BOILING PANS  
STEAM JACKETED PANS  
MIXING PANS  
EVAPORATORS, STILL S  
AND EVERY DESCRIPTION OF  
SOAP AND CHEMICAL PLANT

No 1 Plant For  
Experimental purposes

No 2 Plant Output  
100 to 200 pounds per day

No 3 Plant Output  
300 to 400 pounds per day

No 4 Plant Output  
600 to 1000 pounds per day

No 5 Plant Output  
2000 to 2500 pounds per day

No 6 large combined triple  
granite roller mill with triple  
rotary cutter. Granite rollers  
12 inches long 26 inches diameter

No 7 improved multiple roller  
milling and mixing mill made  
with 8 roller rollers. This mill  
may be used in conjunction with  
our No 6 or No 7 plodder.  
Output 3 tons per day

No 8 Grant Quadruple Roller Mill  
Output 2 tons per day

No 9 Grant Brine lined plodder  
Output 1 ton per day

Toilet Bar  
Cutting Machine

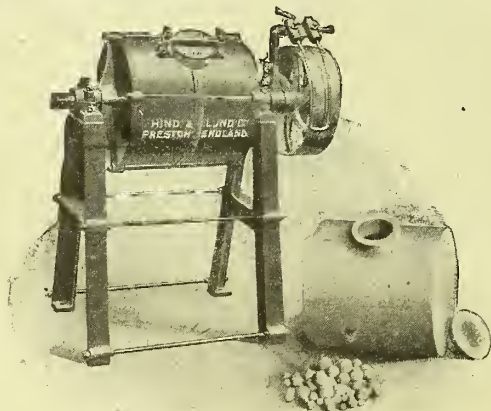
Rotary Cutter  
or Shredder

No 10 mammoth plodder with reduction gear  
for higher drive. Output 3 tons per day

**E. Forshaw & Son Ltd**  
1845  
Telephone No 123  
SOAP AND CHEMICAL PLANT MAKERS  
WARRINGTON, ENGLAND  
**MILLED TOILET SOAP PLANT.**  
HOUSEHOLD AND LAUNDRY SOAP PLANT.  
GLYCERINE EXTRACTION PLANT.  
CAUSTICIZING PLANT.  
TALLOW MELTING PLANT.

## BALL GRINDING MILLS

IRON CYLINDERS, PORCELAIN OR QUARTZ-LINED.  
PEBBLE & TUBE MILLS FOR LARGE QUANTITIES.  
FLINT PEBBLES, PORCELAIN, BRASS, STEEL OR  
HARDWOOD BALLS. ALSO SPARE PORCELAIN  
JARS AND CHILLED IRON LINERS SUPPLIED.



BRITISH MADE THROUGHOUT.

SPECIALISTS IN BREAKING, GRINDING,  
SIFTING, DRYING, AND MIXING MACHINES.

**HIND & LUND, LTD.**

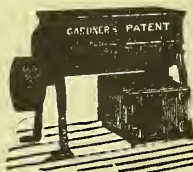
ATLAS WORKS, PRESTON.

Telegrams: "Atlas Preston." Telephone: No. 125. (1)

## GARDNER'S PATENT "RAPID" SIFTERS & MIXERS

OVER 5,300 working in

almost every Trade where  
POWDERS are Sifted and  
Mixed and Lumps Re-  
duced, all being done at  
one operation and without  
loss by dust



FOR HAND OR POWER.

From 55/- to £90.

CATALOGUES FREE.

WM. GARDNER & SONS, Engineers, GLOUCESTER.

## EUCALYPTUS OIL (RECTIFIED).

Encalyptol Content ... .. 70/80 %  
Optical Rotation ... .. 0 to 1  
Specific Gravity ... .. '919 to '928  
Absolutely Free from Phellandrene.

Quotations by cable. Wholesale Trade only.

**BURNSIDE & COMPANY**  
Eucalyptus Oil Distillers,  
**VICTORIA, AUSTRALIA.**

New Postal Address—Cables—"Burnside Company."  
439 Flinders Lane, Melbourne. Melbourne.



**WHOLESALE PRICES OF PHOSFERINE.****CASH WITH ORDER.**

1/1½ size Phosferine	...	11/6 per dozen net.
2/9 " " "	...	28/- " " "
4/6 " " "	...	46/- " " "

5 GROSS LOTS (assorted sizes if required) subject to 1½ per cent. Cash Discount.

10 GROSS LOTS (assorted sizes if required) subject to 2½ per cent. Cash Discount.

**PROTECTED PRICE.**

The selling price of Phosferine is Protected, it must not be retailed in the United Kingdom under the following prices, viz.:—1/1½, 2/9, and 4/6.

# PHOSFERINE

**The Greatest of all Tonics**

Is a good paying line for Chemists—the Retail price is protected, and as it contains nothing poisonous, it can be sold without restriction.

Being a highly Concentrated Medicine, its storage occupies very little of the valuable space in a Pharmacy.

It is one of the largest advertised medicines in the kingdom, and sells freely.

It can be recommended with the greatest confidence for all Nerve Pains, Nervous Disorders, Rheumatism, Nervous Headache, Dyspepsia, General Debility, etc.

**ROYAL COMMANDS.**

PHOSFERINE has been supplied by Command to

Members of the British Royal Family,  
H.I.M. The Empress of Russia,  
H.M. The King of Greece,  
H.I.M. The Dowager Empress of Russia,  
H.M. The Queen of Roumania,  
&c., &c.,

A recommendation that can be claimed for no other Proprietary Medicine.

**ASHTON & PARSONS, Ltd.**

La Belle Sauvage, Ludgate Hill,  
LONDON, E.C. 4.

**CAUTION.**

To Imitators or Dealers in Imitations of

# PHOSFERINE

**PERPETUAL INJUNCTION**

WITH

**DAMAGES AND COSTS,**

obtained against the Vendor for using  
the word

**PHOSFERQUIN.**

In the High Court of Justice.

CHANCERY DIVISION.

Before Mr. JUSTICE COZENS-HARDY.

Between ASHTON & PARSONS, LIMITED,  
Proprietors of "Phosferine" (Plaintiffs),

AND

THE VENDOR OF PHOSFERQUIN (Defendant).

A PERPETUAL INJUNCTION with damages and costs was granted on the 14th December, 1900, restraining the above Defendant, his servants and agents from in any manner infringing the Plaintiffs' Registered Trade Mark 6,530, and from selling or offering or exposing or advertising for sale or procuring to be sold any medical preparation not prepared by the Plaintiffs, under the name of "Phosferine" or under any other name which by colourable imitation of the Plaintiffs' word "Phosferine" or otherwise was calculated to represent or lead to the belief that such preparation is "Phosferine" or is a preparation of the Plaintiffs and from selling or supplying any such preparation as aforesaid in response to orders for "Phosferine" or for a preparation of the Plaintiffs or from otherwise passing off or enabling or assisting others to pass off any such preparation as aforesaid as or for "Phosferine" or a preparation of the Plaintiffs.

All information relating to the infringement of dealers in infringements of "Phosferine" will be confidentially treated and should be addressed to the proprietors of "Phosferine."

**ASHTON & PARSONS, Ltd.**

La Belle Sauvage, Ludgate Hill,  
LONDON, E.C. 4.

Or to Messrs. J. E. EVANS-JACKSON & CO.,  
Patent Agents,  
Bristol House, Holborn Viaduct, E.C. 1.

# "YADIL" Antiseptic

REGD. TRADE MARK.

Syn.: Tri-methenal allylic carbide compound.

**"YADIL"** Antiseptic is now prescribed in all parts of the country. Chemists are advised to place a small quantity in stock to meet demands, as most cases in which "YADIL" is used call for immediate supply. Chemists can obtain through their usual wholesalers, but in cases of delay through unavoidable cause should write direct, indicating the wholesale house through which they wish their order to be charged. For convenience we give prices below.

## "YADIL" ANTISEPTIC SOLUTION.

SIZE	-	-	2 OZ.	6 OZ.	20 OZ.	40 OZ.
Retail	-	-	1/6	3/-	8/9	16/- each
Chemists'	-	-	13/6	27/-	78/-	144/- per dozen

## "YADIL" ANTISEPTIC JELLY.

SIZE	-	-	-	8 oz.	16 oz.
Retail	-	-	-	4/6	7/6 each
Chemists'	-	-	-	41/-	69/- per dozen

## "YADIL" ANTISEPTIC OINTMENT.

SIZE	-	-	-	1 OZ.	8 OZ.	16 OZ.
Retail	-	-	-	1/3	7/6	13/6 each
Chemists'	-	-	-	11/-	72/-	128/- per dozen

SOLE PROPRIETORS &amp; MANUFACTURERS:

# CLEMENT & JOHNSON,

19 Sicilian Avenue, London, W.C. 1.

*Orders from abroad should be placed through London buyers, as we do not open accounts abroad during the War.*



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IS INSERTED IN  
EVERY COPY OF  
"THE CHEMIST AND  
DRUGGIST."



OFFICES:  
42 CANNON STREET,  
LONDON, E.C.4

JULY 6, 1918.

Advertisements for this Supplement must be received not later than First Post on Thursday Morning.

# CHEMISTS' TRANSFERS.

## Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, N.W. (Main Thoroughfare).—Good-class Business; Retail and Dispensing; net profit exceeds £500; well-appointed shop, nicely fitted and fully stocked; valuation terms would be considered, or lump sum offer.

2.—LONDON, S.E.—For immediate disposal. Ready-money Retail; returns average over £500 per annum; net profit £250; comfortable residence; rent £46, on lease; no near opposition; price £250, or near offer.

3.—BANKS OF THE THAMES.—Very old-established Business; held by vendor for many years; now retiring; returns about £1,100; profits above the average; first reasonable offer will be accepted.

4.—STRATFORD.—Drug Stores for immediate disposal; returns, last year, £850; net profit £219; small residence with large garden; price £150.

5.—KENSINGTON, W.—Dispensing and Retail Business; returns £800, formerly £1,000; well-fitted shop and comfortable residence; held on lease; first reasonable offer accepted; death cause of sale.

6.—KENT (Within Easy Distance of Town).—Good middle-class Business; returns about £1,500; net profit £360; price, to include £90 book debts, £750; part payment.

7.—WEST MIDDLESEX.—High-class Dispensing and Retail Business; returns upwards of £5,000; net profit £500; terms, valuation of stock and fixtures, and premium for goodwill to be arranged equitably.

8.—LEEDS.—Good-class Dispensing Business; returns average between £1,000 and £1,100; net profit £320; shop well fitted and fully stocked; small residence; rent £80; price £750.

9.—NORTH OF ENGLAND.—Retail and Dispensing Business; returns show a steady increase, and are now about £850; good prices are obtained; small residence; rent £32; no immediate opposition; terms, valuation of stock and fixtures, about £250.

10.—BUCKS.—High-class Retail and Dispensing Business; returns about £1,520; net profit, last year, £520; roomy shop, well fitted and fully stocked; good residence; private entrance; rent £110; lease if wished; price £1,200.

11.—HANTS.—For immediate disposal, through ill-health, old-established Business; no serious opposition; returns about £900; small residence; rent £35; lease if wished; terms, valuation of stock and fixtures.

12.—HERTS.—Well-established Business, situate in pleasant country, district; position good; returns average about £900, with net profit £250; rent £45; lease if desired; comfortable residence, garden; terms, valuation of stock and fixtures.

13.—SURREY.—Very old-established Business, situate in busy shopping thoroughfare, and producing a net income of about £700 per annum; further details on application.

14.—SURREY (Good-class Town).—Cash Retail and Dispensing Business; returns under Assistant, £14 to £17 weekly; price £160.

## VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

**ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.**

### BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

**EDINBURGH (SOUTH SIDE).**—Old-established high-class Business; Retail and Dispensing; returns about £3,000; vendor retiring, and wishes to sell shop as well as business. Apply A. Ross, S.S.C., 108 George Street, Edinburgh.

**CASH** Drug Stores; main road; present hands over 17 years; takings £17 to £20 a week; qualified could take £25 very soon; good clean stock; inclusive rent £41; cash price £210; sole reason for selling, proprietor having to join the Colours. 52 York Road, Battersea.

**DEATH VACANCY.**—Unopposed country Retail Business; average returns the last three years, £1,090; books well kept; large agricultural district. Apply 196/11, Office of this Paper.

**DRUG** Stores (suburb); average returns since January 1st, £37 per week under unqualified; qualified could do £50 by Christmas easily; chance of a lifetime; no N.H.I.; no poisons; splendid position; must sell; fullest particulars given; price £750; only genuine buyers need apply. Apply 195/1, Office of this Paper.

**FOR** Sale, Stock and Fittings of up-to-date Pharmacy; wanted an offer; lease of premises still running, and business can still be carried on if desired. Call or write to 86 Pimlico Road, Sloane Square.

**GENUINE** old-established Dispensing and Retail Business, centrally situated in spa town; returns £1,260; average profit; good lease and residence; side entrance; Pharmacy well fitted and stocked; terms, valuation of stock and fixtures; fullest particulars on application. Apply 194/21, Office of this Paper.

**OLD-ESTABLISHED** Retail, Prescribing, and Dispensing; also Sight-testing Optician's business in North of England. Apply 118/36, Office of this Paper.

BY ORDER OF TRUSTEE.

**OLD-ESTABLISHED** Business; returns £1,300; valuation terms for early disposal; good lease. Trustee, 20 Walpole Gardens, Chiswick, W. No agents.

**ONE** or both of two small country Businesses (Lancs); both suitable as Chemists, or one as Drysalter; established 1874; or panel. Apply 196/1, Office of this Paper.

**SOUND** Business in healthiest London suburb; returns, 1917, £1,570, first half of 1918, £1,006; easily run and very profitable; no N.H.I., but can be added if desired; good house; through exceptional circumstances can be had for £100 premium and valuation. Apply 198/3, Office of this Paper.

### FOR SALE.

**EXPERIMENTAL** Vacuum Still, 2-gallon capacity, steam-jacketed, Fleuss pump; gauge; gas-fired copper boiler; 3 h.p. gas engine, with magneto; all sundries and fittings; perfect condition; £50 (Yorkshire). Apply 194/4, Office of this Paper.

**30 CLINICAL** Thermometers in cases, 60 second plain, at 21s. dozen; cash with order. Four gross down Puffs, Bone Handles, four sizes, from 3s. 9d. per dozen; to be sold in one lot. Apply to D. W. Bull, 4 Churchill Road, Homerton, E. 9.

**SHOP** Fittings.—Complete Fitting of an elaborately fitted West-End Chemist Shop, comprising three wall cabinets, fitted with drawers, cupboards, plate-glass, shelves, poison cabinet, mahogany counter, cashier's desk, etc.; accept £100 for the lot. Jelks, 275 Holloway Road, N.



# BRETT & CO.

Transfer Agents and Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams: "Brett Leicester."

Telephone 1934.

F. J. BRETT, M.P.S.,

Gives personal attention to all valuations.

Valuations conducted upon the shortest notice at moderate fees.

## PARSON C. BAKER

(Pharmaceutical Chemist),

Trade Valuer & Transfer Agent.

Recommended by The British Drug Houses, Ltd.; Messrs. Meggeson & Co.; Barclay & Sons, Ltd.

Valuer to the Association of Manufacturing Chemists.

74 High Street, WALLINGFORD, Berks.

## BERDOE & FISH

VALUERS & TRANSFER AGENTS

35 Jewry Street, Fenchurch Street, E.C.3.

Telephone: 1809 CENTRAL.

### NO CHARGE TO PURCHASERS.

- 1.—SOUTH MIDLANDS (Death Vacancy).—Unopposed, good-class country Retail; pleasantly situated; returns £1,350; net profit £367 clear; low rent; good house and garden; nearest opposition 7 miles; thoroughly well stocked; price £900.
- 2.—LANCS.—Sound Cash Retail, within three miles of Bury; present returns about £1,000; no panel; wine licence; very low rent; same hands many years; population 7,000; good chance for smart man; price £400.
- 3.—NORFOLK.—Unopposed mixed village Retail; returns about £1,150; run as a Drug Store; large house; rent only £20; fully stocked; price £300; illness sole cause of sale; suit unqualified or qualified.
- 4.—LONDON SUBURB, N.E.—Sound progressive cash Drug Stores in fine main road position; returns nearly £40 a week; no panel; excellent profits; convenient house and premises; well stocked; owner called up; price for quick sale £800; qualified man would soon increase; takings to £2,500.
- 5.—LONDON, N.—Good-class suburban Retail and Dispensing Business; returning £1,234 last year; good profits; fine corner shop, well fitted and stocked; good house and garden; owner retiring; price only £450.
- 6.—LONDON (Essex Suburb).—Very profitable cash Retail and Prescribing, with own specialities; returns £15 to £16 weekly, increasing; net profit over £300; low rent; fully stocked; price £475; part can remain; trial allowed.
- 7.—WEST LONDON.—Sound middle-class cash Retail; returns £26 weekly, plus N.H.I.; good profits; no immediate opposition; low rent; good house; price £350; half could remain if desired.
- 8.—SOUTH LONDON (Close to City).—Brisk Cash Business for disposal; returns nearly £40 a week; good profits; splendid corner position in busy main road; fully stocked; good modern premises; price £1,000; could arrange entry with £600 cash.

### STOCKTAKINGS.

We are now booking dates for August, and appointments should be made early to avoid dates clashing. Terms sent on application. 45 years' practical experience.

### AGENCIES.

MANUFACTURERS of fine Chemicals, Drugs, Perfumery, Products, makers of all kinds of Pharmaceutical and Toilet articles and distillers of Essential Oils, who are desirous of being represented in Egypt for the introduction and sale of their goods, should communicate with Vassiliadis & Feinberg, 6 Sherif Pacha Street, Alexandria; wide experience; first-class connection among Chemists and Druggists; high references.

AGENTS required (commission basis) in London, Glasgow, Liverpool, and Manchester, to dispose of 30 tons Cotton Wool in 1 lb. rolls (interleaved) at a keen cut price; no difficulty in disposing, as 40 tons have already been sold locally since January. Apply "Aspirin" (119/3), Office of this Paper.

### SALES BY AUCTION.

BY ORDER OF THE PUBLIC TRUSTEE AS ADMINISTRATOR OF THE LATE COL. CLIFFORD PROBYN.

MESSRS. H. E. FOSTER & CRANFIELD will Sell by Auction at the Mart, Tokenhouse Yard, E.C., on THURSDAY, 18th JULY, 1918, at 2 o'clock, in one lot, 49,998 5 per cent. Cumulative Preference Shares and 49,497 Ordinary Shares, all of £1 each, fully paid, being practically

THE WHOLE OF THE ISSUED CAPITAL

of the well-known firm of

HOOPER, STRUVE & CO., LTD.,

Chemists and Mineral Water Manufacturers, etc., London and Brighton, Holders of the Royal Warrant.

Particulars of Messrs. Paines, Blyth & Huxtable, Solicitors, 14 St. Helen's Place, London, E.C. 3, and of Messrs. H. E. Foster & Cranfield, Auctioneers and Surveyors, 6 Poultry, London, E.C. 2.

### TENDERS.

THE Commissioners of Customs and Excise invite tenders for the purchase of the following goods forfeited under the Customs Acts:—

A large and varied assortment of  
DRUGS,  
CHEMICALS,  
ESSENCES, and miscellaneous  
ORGANO-THERAPEUTIC and PHARMACEUTICAL PRODUCTS.

The goods may be inspected between 10 a.m. and 4 p.m. on the 9th and 10th instant at the Inns of Court Hotel, High Holborn, W.C. 1.

Forms of Tender may be obtained at the time and place of inspection, or on application at Room 38, Custom House, Lower Thames Street, E.C. 3.

Buyers of certain lots will be required to enter into a bond in the full value of the goods purchased that the goods will not be exported from the United Kingdom during the continuance of the war, except to British Overseas Dominions or to Allied Governments.

Tenders, on the approved form, addressed "The Secretary, Room 84, Custom House, E.C. 3," and marked "Tender No. 53," must be received by noon on the 17th instant.

The Commissioners do not bind themselves to accept the highest or any Tender.

### SITUATIONS OPEN.

#### RETAIL.

BALHAM.—Assistant required, ineligible or discharged, or lady (permanency), trustworthy and capable, with knowledge of Photography; abstainer preferred; good salary to competent Assistant. Apply by letter, Cooper, Chemist, Balham, London, S.W. 12.

BIRMINGHAM.—Lady Assistant for Dispensing and Counter; clean light trade. Apply, stating age, salary required, and previous experience, to Izon, Chemist, 86 High Street, Aston, Birmingham.

BIRMINGHAM.—Unqualified Assistant wanted; ineligible for military duty; well up in Dispensing, smart and courteous at Counter, good address; suitable lady Assistant entertained. Apply, with full particulars, General Manager, Hedges (Chemists), Ltd., Dale End, Birmingham.

BLACKPOOL.—Assistant, lady or gentleman; state age, experience, and salary required; outdoors; qualified lady preferred. H. M. Johnson, Pharmaceutical Chemist, Adelaide Street, Blackpool.

BRIXHAM, SOUTH DEVON.—Junior Assistant (ineligible) for good-class Dispensing and Retail business; outdoors. Apply, stating age and salary required, to J. P. Swaffin, Beach House Pharmacy, Brixham.

CARDIFF.—Duok & Son, Chemists, St. John's Square, have vacancies for two Assistants (Lady or Gentleman). Apply stating usual particulars and salary required (outdoors).

CROYDON (SOUTH).—Wanted, Assistant (ineligible or lady) for Dispensing; qualified or unqualified. Apply, with full particulars of experience and salary required, to S. A. Noble, Selsdon Road, South Croydon.

EASTBOURNE.—Wanted (at once), experienced Assistant; outdoors. Apply, with full particulars, to Gould & Co., Victoria Pharmacy, Eastbourne.



**EASTBOURNE.**—Wanted, lady or gentleman Junior Assistant (outdoors) for high-class Dispensing business. State salary, with usual particulars, enclosing carte, to H. R. Browne, Pharmaceutical Chemist, Eastbourne.

**GLOUCESTER.**—Wanted, experienced lady Assistant; good Dispenser and general knowledge; easy hours; outdoors; two kept; good-class Dispensing and Light Retail. Salary, photo, etc., Ward & Woodman.

**LEAMINGTON SPA.**—Lady Assistant, experienced, to manage Branch; need not be qualified; no Dispensing; very light trade; reasonable hours. State salary required for first six months, afterwards weekly salary and percentage of profits can be arranged, give usual particulars, state when at liberty; W. L. Mundy, Chemist, Leamington Spa.

**LONDON, CITY (EAST).**—Wanted, an experienced Assistant; good references, and free from military service; state salary required. Apply 185/33, Office of this Paper.

**LONDON, E.**—Qualified Assistant for Dispensing; good Counter-man, etc.; outdoors; ineligible for military service; permanency; salary £3 10s. weekly. Please give references, age, etc., to "Retail" (194/24), Office of this Paper.

**LONDON, N.E.**—Lady or ineligible Gentleman Assistant for Dispensing and Counter; short hours. State age, experience, and salary required (outdoors), "B. T." (194/32), Office of this Paper.

**LONDON, N.W.**—Wanted, Assistant (ineligible or lady) for Dispensing and Counter duties; outdoors; qualified or unqualified. State full particulars of experience, age, salary, to Phillips, 29 High Street, Hampstead.

**LONDON, S.W.**—Good opening for an unqualified Assistant; capable Dispenser and Counterman; permanency; excellent prospects. State age, whether married, and salary required, "K. R." (194/701), Office of this Paper.

**LONDON, W.**—Wanted, lady or gentleman Assistant for Dispensing and assist at Counter; outdoors; no National Insurance Dispensing. Apply, with full particulars of experience and salary required, Faulkner & Co., 173 Ladbroke Grove.

**LONDON, W.**—Part-time (afternoons); lady, with shop experience, to assist in first-class Dispensing and making preparations. Apply by letter to 195/19, Office of this Paper.

**LONDON, W.**—Competent Assistant required; immediate vacancy. Write or call, Rouse & Co., 12 Wigmore Street, London, W.

**LONDON, W.**—Lady Assistant wanted for Dispensing and Counter duties; must have had previous business experience; hours 9 to 6, Saturdays 1 o'clock. Apply, with particulars of experience, stating salary required, to Hospitals and General Contracts Co., Ltd., 19-35 Mortimer Street, W.

**MANCHESTER.**—Wanted, a Junior Assistant; male or female; outdoors. Bates, Chemist, Brooks's Bar.

**MANCHESTER.**—Locum required for two months, to commence about July 18th; Apprentice and Assistant kept. S. Matz, 341 Cheetham Hill Road, Manchester.

**NEAR MANCHESTER.**—Lady Assistant required for Retail and Dispensing business; previous Counter experience absolutely necessary. Address, stating age, experience, salary, etc., to 194/351, Office of this Paper.

**NEAR MANCHESTER.**—Wanted, qualified Assistant; ineligible preferred. State age, experience, and salary required, 194/350, Office of this Paper.

**NEAR MANCHESTER.**—Wanted, qualified Assistant; either sex; Counter experience necessary. State age, experience, and salary required, 194/35, Office of this Paper.

**NORTH WALES.**—Qualified Assistant required immediately; ineligible or discharged; state age, reference, salary, and all particulars by first letter. Apply W. G. Williams, Port Dinorwic.

**OXFORD.**—Qualified Manager wanted for good Branch in Oxford; attractive town; comfortable position and permanency for reliable, experienced business man. Apply, with full particulars, salary, military liability, and photo if possible, The Oxford Drug Company, Ltd., Old Established Family Chemist, Oxford.

**PLYMOUTH DISTRICT.**—Unqualified Assistant wanted; reliable Dispenser and Counterman; very convenient house provided off the premises; no Sunday duty; permanency. Full particulars to Stephens & Graham, Ltd., Plympton, Devon.

**SOUTH OF ENGLAND.**—Assistant required (male or female); free removal; permanency with good salary Timothy White Co., Ltd., Chemists, Portsmouth.

**TORQUAY.**—Lady Pharmacist required for Dispensing and Front Counter. Apply E. Quant, Torbay Pharmacy, Torquay.

**WEST BYFLEET.**—S. Browning Moss has a vacancy for lady Assistant for Counter, Stock, and 1 Photography. Please give usual particulars, and state salary required in first letter; hours 8.30-7, half-day weekly.

**LADY** Assistant for the season in good-class business. Apply, stating salary and all particulars, Alfred Bond, The Pharmacy, Newquay, Cornwall.

**A** energetic gentleman to assist in the management and control staff of a busy branch where there is Insurance Dispensing; easy hours, no Sunday or night duty; applicants need not be qualified, but must be over military age. Apply 194/6, Office of this Paper.

**ASSISTANT**, outdoor (Lady or Gentleman); knowledge of Dispensing and Retail; no N.H.I. work. Apply, G. W. G. Robinson, M.P.S., 307 Raiton Road, Herne Hill, S.E. 24.

**ASSISTANT**, lady or gentleman, outdoors, for a Dispensing and Light Retail business; hours 9 to 7, Wednesdays 9 to 1, Saturdays 9 to 8, no Sunday duty. Thompson, Pharmaceutical Chemist, 31 The Grove, Ealing, W. 5.

**ASSISTANT** wanted (immediately) in good-class business; one with some general experience; hours very easy. State salary, references, and photo (promptly returned), Nicholls, Pharmacist, Chelmsford.

**ASSISTANT** required for N.H.I. Dispensing and Stock; comfortable berth; Shepherd's Bush. Apply 196/29, Office of this Paper.

**ASSISTANT**; qualified or unqualified; either sex; hours 8.45 to 6.30, Wednesday 1 p.m., no Sunday duty; no N.H.I. work. Apply, stating age, experience, and salary required, to Middleton & Co., Chemists, Middlesbrough.

**CAPABLE** Assistant; must have Minor qualification and be ineligible for Army; plenty of work, but easy hours. Write, stating age and salary required (outdoors), references essential, 196/230, Office of this Paper.

**CAPABLE** and energetic Assistant wanted; qualified or unqualified; ineligible for Army or discharged soldier. Please state salary required and give references to Manager, 103 Victoria Street, Grimsby.

**EVENING** assistance wanted, 5 to 8 p.m., three or four evenings a week; Dispensing and General work. Russell Jacks, Pharmaceutical Chemist, 161 Gower Street, W.C.

**IMMEDIATELY** or early date, Dispensing Assistant; lady; part-time; afternoon and evenings or evenings only. Apply, giving usual particulars and salary required, to E. L. Slade, 3 Station Parade, Kew Gardens.

**INSURANCE PRICING.**—A lady, with knowledge of Dispensing, required in connection with the Pricing of N.H.I. Prescriptions; previous experience an advantage. Apply "X. Y. Z." (197/25), Office of this Paper.

**JULY 14th.**—Locum, lady or gentleman (unqualified), Light Retail and Dispensing, required for 14 days. Apply 196/19, Office of this Paper.

**JUNIOR** wanted; good Dispenser; ineligible or discharged soldier. State salary and experience to Weston Poole, Pharmaceutical Chemist, Newcastle, Staffs.

**JUNIOR** Assistant (immediately); young lady or ineligible; hours 8 to 7, no Sunday duty. Send full particulars of age and experience, with salary required (outdoors), to H. R. Maynard, Chemist, Horncastle.

**JUNIOR** or Improver required, outdoors, for good-class Retail and Dispensing business; time for study allowed. S. W. Dawson, 56 Knights Hill, West Norwood, S.E.

**LADY** Assistant; London; experienced Dispenser and capable at the Counter; permanent position. State age, salary required, and when at liberty, "L. A. L." (194/700), Office of this Paper.

**LADY** Assistant; competent Counter hand and Dispenser; permanency; progressive salary; Midlands. "L. A. M." (194/703), Office of this Paper.

**LADY** Assistant; Yorks, West Riding; comfortable permanency for capable young lady who has had some experience in Dispensing and Counter work. "L. A. Y." (194/7), Office of this Paper.

**LADY** (qualified) required: a thorough business person for a busy good working-class trade; N.H.I. Dispensing, Counter, and general trade; Apprentice allowed; good comfortable, permanent berth and good salary. Full particulars in confidence, "North Staff" (189/21), Office of this Paper.

**LADY** Dispenser required; Hall certificate; experienced. Apply by letter, giving full particulars of experience, to Staff Manager, Harrod's, Ltd., 44 Hans Crescent, S.W.

**LADY** Dispenser (qualified) wanted; live out; dinner and tea provided; state salary required. For particulars, etc., address, The Medical Superintendent, Bracebridge Asylum, near Lincoln.

**LADY** Assistant required, principally for Counter, in high-class Family Retail and Dispensing business; outdoors. Apply, stating age, experience, and salary required, also enclosing photograph if possible, J. E. Pugh, Chemist, Ruxton, Derbyshire.



**L**ADY Assistant; outdoors; qualified or unqualified, with some experience in good-class business in pleasant suburb; easy hours; no N.H. Insurance; comfortable berth; good wages; other lady Assistant kept. Apply, stating full particulars, to E. E. Hall, Newbridge, Wolverhampton.

**L**OCUM, for 3 weeks from any date this month or early next; qualified; no Sunday duty or after 1 p.m. on Wednesdays. Please state terms and references to Henry Francis, Chemist, Bromley, Kent.

**L**OCUM for eight weeks; Golder's Green district; good salary. Apply J. Kendall, 20 Park Parade, Palmer's Green, N. 13.

**L**OCUM required for two weeks; August or September, preferably August; outdoors; reasonable hours, no Sunday duty. Applicants are requested to state, in first instance, recent references and salary required, Walter Reeson, 80 High Street, Erith, Kent.

**L**OCUM Dispenser, 15th, for two or three weeks or permanency; £4 per week; outdoors; London suburb. Apply 196/23, Office of this Paper.

**L**OCUM; gentleman or lady Dispenser for a fortnight from about July 15th; accustomed to N.H.I. work preferred. Please state terms, etc., to C. N. Coles, 804 High Road, Tottenham, N. 17.

**L**OCUM Tenens for about three weeks or a month, to take entire charge for a fortnight during holiday. State terms, with reference, Wyatt, Broadway, Barnes, S.W.

**L**OCUM required for three weeks from July 29th; lady or gentleman; qualified. Apply, stating age, experience, and remuneration required, Reynolds & Branson, Ltd., Leeds.

**L**OCUM, London, smart lady or gentleman, qualified, for about two months; good salary. Apply 198/8, Office of this Paper.

**M**ANAGER; qualified; smart, energetic, thoroughly reliable; Light Retail and Dispensing; easy hours; Midlands. Apply, with full particulars, age, and salary, to 194/37, Office of this Paper.

**M**ANAGER for small Branch (qualified) about July 15th. Usual particulars to Wadler & Riley, Ltd., Chemists, Bradshawgate, Bolton.

**M**ESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

**O**PTICAL, Refractionist, discharged from Army, required for high-class Retail British business in the East; good tropical climate; excellent opening. Apply, stating diploma and experience, to 195/16, Office of this Paper.

**Q**UALIFIED or unqualified Dispenser for high-class Business; hours 9 till 8, alternate late duty till 10, and alternate Sunday duty; exempt from military duties preferred. Write 194/33, Office of this Paper.

**Q**UALIFIED Manager, over military age or rejected, required for first-class business in the provinces; splendid opportunity for a capable and energetic man. "H. L." (194/702), Office of this Paper.

**Q**UALIFIED young man, single and rejected or discharged, required immediately; permanency, with good prospects of advancement. Please state age, salary required, and when at liberty, "H. L." (194/704), Office of this Paper.

**Q**UALIFIED Assistant wanted; Sheffield. Apply 118/13, Office of this Paper.

**Q**UALIFIED Manager wanted for good-class business on the 26th July; must be active and thoroughly reliable; sole charge. Apply, with usual particulars, to Mrs. James Lloyd, 125 St. John's Hill, Clapham Junction, S.W.

**Q**UALIFIED lady or gentleman wanted for Light Retail; N.H.I.; no Sunday work; good salary. Knight, 21 Merton Road, Wimbledon.

**Q**UALIFIED Branch Manager wanted; ineligible; must be experienced and have a knowledge of Photography; good salary and commission to good man. Apply personally, or by letter, to Parke's Drug Stores, Ltd., 65 Harwood Street, N.W. 1.

**Q**UALIFIED Assistant Manager for good-class Retail and Dispensing business, N.H.I. (at once). State full particulars, salary, references, etc., 195/35, Office of this Paper.

**R**ELIABLE Assistant wanted; good Counterman essential; ineligible; references must bear strictest investigation; permanency and good salary to right man; qualified or unqualified. Apply 181/22, Office of this Paper.

**R**EQUIRED, smart, energetic, reliable, unqualified Assistant to a good all-round man; this vacancy offers scope for advancement; ordinary Retail suburban business; commencing salary 70s. a week; undeniable references necessary. Apply 119/28, Office of this Paper.

**S**AVORY & MOORE, 143 New Bond Street, W., require experienced lady Dispenser for July, August, and September. Apply, with full particulars, stating salary required, to the Manager.

**S**MART qualified Branch Manager-Assistant; male or female. Also qualified Relief. Briggs, Chemist, 197 Hoxton Street, N. 1.

**W**ANTED, Locum, male, outdoors, ineligible, for about a fortnight early in September; provincial, family, and agricultural business. Write, stating terms, recent references, and qualifications, to "R. B. S." (194/15), Office of this Paper.

**W**ANTED, Locum, about August 12 to 31; Bloomsbury district; one Assistant; must be absolutely reliable and active; state wages, age, and give references. Apply 189/28, Office of this Paper.

**W**ANTED, qualified Manager (at once); permanency; salary £5 to £6 weekly. Also lady Dispenser, and to assist at Counter; £2 10s. weekly. Thomson, Chemist, 126 Hoe Street, Walthamstow.

**W**ANTED, Assistant, speaking French, and preferably also Italian; good references. G. Fortuna, Ltd., 41 Frith Street, Soho, W.

**W**ANTED, competent and reliable Assistant, lady or gentleman, for good-class Retail business; liberal salary. Applications, giving full particulars as to age, qualifications, experience, and wages required, with copies of recent testimonials, to C. Bayley, Pharmacist, Uppingham, Rutland.

**W**ANTED, capable Assistant; either sex; must have good references. State age, experience, and salary required, R. Needham, Chemist, Stalybridge.

**W**ANTED, a lady Dispenser with experience of Surgery work. State age, qualification, salary required (rooms and attendance provided), to Dr. Graham, 13 Queen Street, Wigan.

**W**ANTED, qualified Manager or Assistant for Light Retail; N.H.I. and Photographic business; salary £5 10s. per week; ineligible. Apply "A. B. C." (195/14), Office of this Paper.

**W**ANTED, Junior Assistant, lady or gentleman, to fill war vacancy (immediately). State age, height, experience, salary required (outdoors), enclose references, Milton & Son, 265 High Street, Exeter.

**Y**OUNG lady, with Apothecaries' Hall qualification, required for Dispensing and the Counter. Apply personally, or by letter, to Parke's Drug Stores, Ltd., 65 Harwood Street, N.W. 1.

**£3** WEEKLY (outdoors).—Wanted, in a good-class Pharmacy, a qualified (Minor) lady Assistant. Apply T. E. Williams, Ltd., Chemists, Caerphilly, near Cardiff.

### WHOLESALE.

**A**SSISTANT to get up Mixed Drug orders; hours 8 a.m. to 6 p.m., Saturdays 1 p.m. (at once). State salary, etc., 195/13, Office of this Paper.

**B**OTTLE MAKERS WANTED.—Well-known firm are desirous of having two thousand gross half-ounce white flint squares made from own mould; prompt cash settlement. Apply 197/180, Office of this Paper.

**E**XPERIENCED Invoice Clerk (male or female) required; also Under-Warehouseman and Wet-counter Hand. State wages and experience 193/15, Office of this Paper.

**F**ACTORY Manager (ineligible) required by well-known Food Manufacturing Company; must be competent to take full charge of all work and labour; experience in connection with packing small packets in large firm most essential; good salary will be paid to the right man. Write, stating age, salary required, and full particulars, of experience, to Z. F. M., care Deacon's, Advertising Offices, Leadenhall Street, E.C. 3.

**F**OREWOMAN wanted to take charge of Bottling Department, Toilet Preparations; must be good worker, experienced in filling, labelling, and capping, and able to control girls; state experience, age, and salary required. Apply 116/63, Office of this Paper.

### PHOSPHORIC ACID, CREAM POWDER, AND ALLIED PRODUCTS.

### EXCELLENT OPENING FOR AMBITIOUS YOUNG CHEMIST, OR FOREMAN WHO CAN DO OWN TESTS.

Apply, with full particulars of experience, to  
Box 101/74, Office of this Paper.

**P**ILL Makers wanted; well-known firm are desirous of having Pills made from own ingredients; one to two million 5-grain coated Pills per month required; prompt cash settlement. Apply 116/60, Office of this Paper.

**P**ILL and Tablet Maker wanted. Apply to W. Shadforth, Pharmaceutical Chemist, 63 Grove Road, Bow, E. 3.

**Q**UALIFIED Manager required by Birmingham Wholesaler and Retail Chemist; must be exempt or ineligible; permanency, with good prospects. State salary required, first letter, with fullest particulars as to experience, etc., 195/32, Office of this Paper.

**M**ANUFACTURERS of prominent Toilet Cream require Agent (lady or gentleman) to call on Chemists, Perfumers, in Southern Counties; salary and commission. State age, previous experience, and terms required to Box No. 39, e/o Street's, 8 Serle Street, W.C.



**R**EPRESENTATIVE, ineligible, with experience in calling on large Stores and Wholesale Druggists, etc., in London, required by large Toilet Soap and Perfumery house; another required for South Coast territory. Reply, stating full particulars and salary, to 113/54, Office of this Paper.

**T**ABLET Compressing Machine wanted; hand or power. Write "S. 95," c/o W. H. Smith & Son, Advertising Agents, Blackfriars, Manchester.

**U**NDER-WAREHOUSEMAN in London Wholesale Drug house; good wages. Apply, with full particulars, to 119/15, Office of this Paper.

**W**ANTED, experienced Traveller and Manager for Export Drug and Chemical Business covering Italy, Spain, and Portugal. Address, with full details, to "Chemist" (116/240), Office of this Paper.

**W**ANTED, competent Shorthand Typist and Assistant Bookkeeper for Drug and Chemical Business. Address "Competent" (116/24), Office of this Paper.

**W**ANTED, Workman accustomed to making Bookbinder's Office Paste, Dextrine compositions, also make himself generally useful; state wages required. Apply "Sticky" (197/30), Office of this Paper.

**W**ET and Dry Floor Assistants required; good wages. Apply, with full particulars, to 119/150, Office of this Paper.

**W**ET COUNTER.—First Hand wanted; a man with Retail experience entertained; permanent situation. Apply, stating age, experience, and wages required, to Secretary, General Apothecaries' Company, 49 Berners Street, W. 1.

**W**IGGLESWORTH, LTD., Westhoughton, Lanes., require first-class Representative. Applicants are asked to state full particulars of experience, ground covered, age, salary, etc. Excellent opening for good man.

# BOTTLE MAKERS WANTED

Well-known Firm are desirous of obtaining two thousand gross half-ounce White Flint Squares; can supply own mould. Prompt cash settlement.

Box 197-18—"Chemist & Druggist,"  
Cannon Street, E.C. 4.

## SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

**R**ANGOON.—E. M. de Souza & Co. require (immediately) qualified Assistant; ineligible or discharged; under 30; salary Rs. 450 per month; four years' agreement; good prospects; passage paid out and home. Apply E. M. de Souza & Co., 44 Holborn Viaduct, E.C. 1.

## SITUATION WANTED.

**Q**UALIFIED Chemist (33), ineligible, home and Continental experience in management, excellent references, seeks position South of France or Italy. Address "Chemist," 3 Rue de Blainville, Paris, Sieme.

## SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

### [HOME.]

### RETAIL.

**A**S Locum; excellent refs.; extensive experience; reasonable terms. 192/34, Office of this Paper.

**A**SSISTANT (20) seeks situation; Devonshire preferred. Full particulars to "P." (194/1), Office of this Paper.

**A**SSISTANT Dispenser; over military age; active, reliable. "Chemicus," 36 Infirmary Walk, Worcester.

**B**RISTOL OR DISTRICT.—Lady Dispenser (qualified) requires Locum work; Doctor or Institution. 38 Alfred Hill, Bristol.

**D**ISENGAGED; qualified; energetic; permanently exempted; best all-round experience; Managership preferred. Apply 197/36, Office of this Paper.

**D**ISPENSER-SECRETARY (experienced) requires post; Hall qualification; shorthand typist (100 and 40), Bookkeeping; good references. Miss Yeomans, 167, Brightwell Avenue, Southend.

**D**ISPENSER; disengaged July 8th; experienced; ineligible. "S.," c/o R. Wyatt, 58 Gipsy Hill, S.E.

**E**XPERIENCED Dispenser seeks situation; locum or part-time; Chemist or Medical Practitioner. Apply 195/4, Office of this Paper.

**L**ADY Dispenser requires (in August or September) post with Doctor; experienced; Hall qualification. Apply Stewart, Ashbourne House, Chepstow.

**L**ADY Dispenser; four years' exceptional experience; Institution or Doctor. B. Hillyard, Bridge Street, Thrapston.

**L**ADY Dispenser (Hall), two years' experience, good references, desires post with Doctor. "N.," 122 Dora Road, Wimbledon Park, S.W. 19.

**L**ADY Dispenser, qualified, experienced, requires light or part-time post; South-West England; small salary. Howard, "Glenview," Upper Walmer, Near Deal, Kent.

**L**ADY Dispenser, Apothecaries' Certificate, seeks post in London; accustomed to N.H.I. Dispensing. Please state hours, 195/21, Office of this Paper.

**L**ADY Dispenser, Apothecaries' certificate, would like to assist Chemist at the Dispensing Counter in high-class Pharmacy in London; Hampstead or West-End preferred. "Dispenser" (195/210), Office of this Paper.

**L**ADY-Dispenser (Hall) requires post with Doctor; some experience. Apply 196/22, Office of this Paper.

**L**ADY, 38, married, Counter, Stock, Window-dresser, or would take post in Wholesale. Apply 196/26, Office of this Paper.

**L**ADY Assistant requires part-time or 40-hour weekly (Chemist); good Counter experience, Dispensing, College trained; no N.H.I. "Espero" (195/30), Office of this Paper.

**L**OCUM.—Wanted by lady (August or September), situation at Counter; some Dispensing; experienced; unqualified; outdoors. State salary and hours, Atkinson, Tuxford, Notts.

**L**OCUM; 41½ years; unregistered; competent all branches; highest references; N.H.I. qualification; Grade 3; conditional exemption; liberty July 15th to 24th inclusive. Dispenser, 34 Cawdor Road, Fallowfield, Manchester.

**L**OCUM Work required during August by qualified lady Dispenser. Apply 193/10, Office of this Paper.

**L**OCUM Hospital Dispenser, Minor, disengaged July 29th. Wilson, 33 Schubert Road, S.W. 15.

**L**OCUM, qualified Pharmacist, over Army age, open for temporary engagements; London or provincial; conscientious, experienced, reliable. M.P.S., 2 Glengall Road, Kilburn, N.W.

**L**OCUM; qualified; Hospital or otherwise; first-class experience. Apply 195/40, Office of this Paper.

**L**OCUM; experienced town and country; ineligible; disengaged; resident Midlands; reasonable terms. "Salol" (196/14), Office of this Paper.

**L**OCUM; disengaged from July 22nd to August 6th; qualified; 40; experienced; Institution or Retail. Apply 196/6, Office of this Paper.

**L**OCUM; qualified; 29; experienced all branches; excellent references; open July 15th to September 20th. Chambers, Ph.C., 33 Mill Street, Sutton-in-Ashfield, Notts.

**M**ANAGER, qualified, over military age, seeks new position; disengaged in a month; thoroughly reliable and successful Prescriber; married; preferably to live over. Chemist, Parkholme, Beaconsfield Road, Clacton-on-Sea.



**MANAGER**; qualified; in good-class business; London preferred; excellent credentials; married. Apply 189/32, Office of this Paper.

**MANAGER**, qualified, disengaged about end of July; good all-round experience; view to succession not objected to; Grade III.; London or Home County preferred. Apply 194/23, Office of this Paper.

**MANAGER**; 49; exempt; experienced, reliable, good Salesman, Prescriber, work up branch, or view easy succession; London; disengaged soon; unregistered. Address G. T., 77 Abbeville Road, Clapham, S.W.

**MANAGER**, qualified, experienced, would undertake Locum work; London or South preferred. Apply 196/5, Office of this Paper.

**MANAGER**; Chemist, Dental, Optical; £300 and bonus. Apply 197/24, Office of this Paper.

**MINOR**; 22½; Grade 3; West-End Dispensing business preferred; good experience. G. R. Boyes, 61 Balham Hill, S.W. 12.

**PHARMACEUTICAL** Chemist recommends his Manager; qualified Chemist and Optician; good buyer, and used to large weekly turnover; age 48. Apply 197/240, Office of this Paper.

**QUALIFIED**; 42; thoroughly experienced and reliable; management; London only. Apply 196/13, Office of this Paper.

**QUALIFIED**; age 47; experienced Manager; London business preferred; super references; salary £300 and commission; highly recommended; succession entertained. Apply 197/241, Office of this Paper.

**UNQUALIFIED**; 24; Grade III.; good-class varied experience. State salary offered and hours to "Provincial" (197/38), Office of this Paper.

**YOUNG** lady, 18, Junior Oxford, desires to become a Student Apprentice to good Chemist for three years. G. E. Mont-Smith, Dorking, Surrey.

**YOUNG** Lady requires post (indoors) immediately to Chemist; little knowledge; wishes to pass Hall exam.; permanency; good credentials; no objection to Counter work; Provincial preferred. Apply 191/31, Office of this Paper.

### WHOLESALE.

**DUBLIN**.—Traveller disengaged; birth certificate June 1867; sound experience Chemicals, Soaps, Packed Goods, etc.; first-class connection Wholesale and Retail; exceptional references. Apply 194/18, Office of this Paper.

**GENTLEMAN**, representing first-class house, requires another good line; good connection; highest references. Address "Reva" (193/14), Office of this Paper.

**LABORATORY** Foreman; 18 years' experience; Toilet Specialties, B.P. Preparations, and Galenicals, also N.H.I. Dispensing; age 32; ineligible for military service. Apply 195/110, Office of this Paper.

**LADY** desires post with Wholesale firm; four years' exceptional experience; Dispensing, Retail, Photography, and Drugs; young, energetic, businesslike. Hillyard, Laburnum House, Thrapston.

**QUALIFIED** Chemist, 25 years' experience, desires position as Traveller for either Drugs and Sundries or Specialities; personal interview preferred. Address 194/5, Office of this Paper.

**WAREHOUSE** Assistant seeks situation; used to supervising home and export packing; also slight knowledge of Drug trade in general; discharged. Apply 195/11, Office of this Paper.

**WORKS** Chemist requires responsible position. Fine chemicals; drugs; oils; waxes; essences; extracts; knowledge of modern manufacturing methods and plant; expert analyst and assayer; accustomed to control. Apply 195/20, Office of this Paper.

**YOUNG** gentleman requires position as Traveller with Wholesale Drug house. Apply 195/28, Office of this Paper.

### MISCELLANEOUS.

**MCADAM & TUCKNISS**, Stock and Share Brokers, Bank Chambers, Blackheath, S.E. 3 Established 1898. Telephone: 81 Lee Green.

Shares for Sale (free of commission, subject).—500 Allen & Hanbury's "A" 6% Prefs. 20s., 75 "C" 6% Prefs. 19s. 9d.; 200 Lever, "C" Prefs., 21s. x.d.; 100 "D" 6½% Prefs., 21s. 1½d. x.d.; 200 Brunner Mond, 38s. 3d. x.d.; 200 Salt Union Ord., 26s. 9d.

Shares wanted (subject).—500 Idris "A" Prefs., 3s. 6d.; £500 Debentures, 5½%; 200 Wright Layman Prefs., 19s. 1½d. Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster

**FOR DISPOSAL**.—40 lb. Scarlet Colour, pre-war strength and standard; unpenetrable; sample sent on application. Apply Foschi & Co., Drysalts, 13 Canning Place, Liverpool.

**ABOUT** 50,000 Saccharin Tablets, guaranteed; 5,000 at 16s. 6d.; 10,000 at 16s.; registered post free; immediate delivery. Austin, Pharmacist, Saltley, Birmingham.

**100,000** Saccharin Tablets, ½ gr. 330; ten thousand at 21s. 6d.; smaller quantities, 22s. 6d. per thousand; registered post free. Pharmacist, 298 Washwood Heath Road, Birmingham.

**SECOND-HAND CHEMISTS' FITTINGS**.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

**SHOWCASES AND SHOP FITTINGS**.—Several fine Silent Salesman Showcases and Counters; quantity of useful Shop Fittings; low prices. Write inquiries, Philip Josephs & Sons, Ltd., 93 Old Street, London, E.C. 1.

**80,000** Saccharin Tablets, "Reliable," ½ grain, 330; try sample 5,000 at 16s. 9d. per 1,000. Stone & Co., Wholesale Druggists, 16 Exchange Street, Norwich.

**800,000** Saccharine Tablets (½ per cent. in 1), 330 strength; 5,000, 16s. 9d.; 10,000, 16s. 5d.; 25,000, 16s. 3d.; 50,000, 16s. 2d.; registered post free; sent immediately; guaranteed. W. Travis, 205 Whitecross, E.C. 1.

**500,000** Tablets; each Tablet will make ½ pint solution of efficient and pleasing non-poisonous antiseptic and disinfectant; price 20s. per 1,000 samples on application. H. S. Lovell & Co., Manufacturing Chemists, Baden Place, Crosby Row, London, S.E. 1.

### EXCHANGE COLUMN.

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6d.

#### FOR DISPOSAL.

##### DRUGS AND CHEMICALS.

**ABOUT** two tons pure Carbolic Acid for Sale in barrels containing about 3 cwt., and some in tins, at 2s. 1d. per lb., carriage forward. Apply 118/21, Office of this Paper.

##### OPTICAL AND PHOTOGRAPHIC.

**NO. 2** Brownie Kodak Developing Tank; never used; cash offer. Ritchie, Chemist, Montrose.

##### MISCELLANEOUS.

**OFFER** wanted for 3s. size Kergold Belts; about 6 dozen or part. Morris, Chemist, Rochester.

**MARBLE** Mortar; 9½ inches inside diameter; hardwood pestle; 12s. 6d. Andrade, 19 Russell Street, Plymouth.

**ODOL**, 5 doz. of each size; original; excellent condition. What offers? Hay & Co., Chemists, Gosforth-on-Tyne.

**ROBERTS'** Filling Machine, nearly new; also 10 gall. Copper Jacketed Pan, tripod stand. Jackson's, Pownall Square, Liverpool.

**FOR** Sale, 13 1s. 6d., 5 3s. 9d., 3 7s. 6d. Sanaphos; 22 1s. 6d., 13 2s. 6d., 6 4s. 6d. Sanagen; overstocked; any reasonable price accepted. Apply 191/30, Office of this Paper.

#### WANTED.

**3 BOTTLES** Apenta, 6 cakes Cuticura Soap. Sharman, Northwood.

**5 Pint** Seltzogene, Sloan's Hygea Salts, Kodak or Ensign Films, Colgates. Jenkins, Chemist, Braintree, Essex.

**"LIQUID"** Glucose wanted for manufacturing purposes. Apply 117/34, Office of this Paper.

**WANTED**, Tincture Press. State capacity, make, and price to 115/45, Office of this Paper.

**MANUFACTURING** Firm require Montan Wax and Carnauba Wax. Offers to 114/41, Office of this Paper.

**WANTED**, in good condition, Pressure Filter and small Ointment Mill. Chemist, 13a St. Paul's Avenue, Willesden, N.W. 2.

**GLYCERINE**, Kodak Films, Novio, or British No. 3 Toilet Rolls; state lowest prices. Hay & Co., chemists, Gosforth-on-Tyne.

**3 VACUUM** Bell Jars, 8" or 9" diameter; ground rim; open or knob top. Apply John Bell & Croyden, 50 Wigmore Street, W.

**DRUMS** (second-hand) required; any quantity; any size. Particulars to 187/22, Office of this Paper.

**SPECTACLES**, Eyeglasses, Lenses in large or small quantities. Particulars to Smith, Optician, 12a Lower Hillgate, Stockport.

**BIG** prices paid for Stokes' or Colton Tablet Machines; Pill

Machinery also wanted. Particulars to 78/58, Office of this Paper.

**WANTED**, Radium Salt, pure or Residues, old Applicators, etc. Apply Harrison Glew, Radium Laboratories, 156 Clapham Road, S.W. 9.

**OPTICAL** books, Minor, Major. Chemists' books; send prepaid for valuation, cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

**4 OZ.** Insect Powder Tins. State quantity and price, with sample. Also Tins holding from 5 oz. to 1 lb., and small Ointment Tins in any quantity. Harrison, Manufacturing Chemist, Reading.

**JOB** line Tins wanted, suitable for Boot Polish, etc. We are also buyers of Tin Plates, printed or plain. Also Cartons for same. "Brytenup" Polish Works, Marsh Lane, Preston.



**SPECTACLE Lenses, Gold-filled Spectacle and Eyeglass Frames,** in any quantity. Particulars and prices to Bishop & Vincent, 460 Holloway Road, N. 7.

**WANTED. Gum Thus, powdered or lump Gamboge, and heavy Precipitated Chalk.** Reply to D., 85 Auckland Hill, West Norwood, S.E. 27.

**5 PINT. Seltzogene, working order; Pine Pellets, Nupines, Linseed, Licorice, Chlorodyne Lozenges, Antiseptic Throat Pastilles, Tobaccos and Cigarettes, Bay Rum; Roper, Chemist, Dunmow, Essex.**

**WANTED, small round Ointment Tins** in large or small quantities; send specimen with price. Apply 195/25, Office of this Paper.

**SMALL QUANTITIES OF GLYCERIN** are urgently wanted for a nasal preparation. Anyone having stocks to spare will oblige by sending price to Frank A. Rogers, 327 Oxford Street, London, W. 1.

**SACCHARINE TABLETS.— $\frac{1}{4}$  grain 330.** The Advertisers are prepared to take and pay cash for quantities from 20 lb. to 3 cwt. per week. Price must not exceed £4 10s. per lb., and Tablets to run, if possible, 8,000 to the lb.

Replies, giving full particulars, will be promptly dealt with. 191/9, Office of this Paper.

## WAR WANTS EXCHANGE.

*For the terms upon which announcements are inserted herein see Supplement for December 8, p. xliii.*

### WANTED.

Bardella bandage. (195/17). Pusol. (195/17)  
Bromocarpine. (195/17) Rubinat water. (195/17.)  
Bromo paper. (195/17.)

## KODAK FILMS

WANTED BY

### Watsons, Sheffield

*All sizes, full wholesale price allowed for No. 2 Brownie, Vest Pocket Kodak, and No. 1 Brownie Spools.*

*Also Spools for Ensignette and Ticks Cameras, Film Packs all sizes, and Ensign or Wellington Films.*

We will buy out-of-date films if not too old.

Don't keep anything photographic on your shelves.

If the area you live in is restricted, or your business quiet, pack all your photographic goods off to us. We'll buy them and see that you are not the loser.

Wanted CAMERAS of all kinds. Two-thirds retail offered for Vest Pocket Kodaks with R.R., or better, lenses, Watch Pocket Carbinos, No. 2 Folding Brownies, No. 1 Junior Kodaks with R.R., or better, lenses, Brownie and  $3\frac{1}{2}$ -in. Developing Tanks.

### TESTIMONIALS.

LONGTON.

"Many thanks for postal order to hand yesterday. I must say that you have been most courteous and straightforward over this matter. Indeed, I cannot conceive of a firm being more straightforward than yourselves."

H. H. E.

HOLLOWAY, N.

"I am in receipt of your letter and cheque, value £5, in payment for camera; and I am greatly obliged by the prompt and liberal treatment I have received in the matter."

C. W.

**WATSONS', The Camera House,**  
**84 HIGH STREET, SHEFFIELD.**  
Telephone No. 27.

# Pill Makers Wanted

Well-known firm are desirous of having pills made from own ingredients. One to two million 5-grain coated pills per month required. Prompt cash settlement. Box 116/50, CHEMIST AND DRUGGIST, Cannon Street, E.C.

## COTTON WOOL.

One-pound parcels. White, Absorbent, Interleaved.  
56 lb. at **2/2 $\frac{1}{2}$**  per lb.; 1 cwt. at **2/2**. Carriage paid.  
Cash with order. Wrappers charged  $\frac{3}{6}$  and returnable.  
Super qualities at reasonable prices.

**J. MILLS, Chemist, Platt Bridge, WIGAN.**

## TEA SWEETENERS

"ASPANCO" BRAND.

ONE EQUAL TO A LUMP OF SUGAR.

**16/-** per 1000, Post Free. Cash with order.

**A. S. PRICE & CO. Ltd., Blackheath, Birmingham.**

## Viuda de José Solernou

Diputacion 164, Barcelona, Spain.

AGENCY & REPRESENTATIVE HOUSE. ESTABLISHED IN 1875.

Member of the British Chamber of Commerce at Barcelona.

**AGENCIES WANTED FOR GOOD-CLASS CHEMICAL AND PHARMACEUTICAL SPECIALITIES.**

## SACCHARIN TABLETS

$\frac{1}{2}$ -gr., 330 in 1, over 7,000 to lb., **150/-** per lb.;  
2 lbs., **149/6** per lb.

Cash with Order. Immediate return by registered post.

**A. WALTON, 40 Washington St., Bradford**

## T. SHERBORNE & CO. Surgical Appliance Manufacturers.

Manufacturers of the "Stowaway" Suspensory Bandages, Cotton or Silk, and over 100 other patterns. (Wholesale only.)

Phone No. SYDENHAM 517. Honor Oak Park, S.E. 23.



# P.A.T.A. NOTICE.

The prices announced below will come in force as from the date of this issue:—

		Minimum Retail Price:	Minimum Wholesale Price:
10½d.	Antiseptic Baby Powder (Johnson & Johnson)	10½d.	7/-
9d.	Armour's Junket and Rennet Powder ...	9d.	6/-
2/6	Armour's Beef Juice ...	2/6	21/-
9d.	Evans' Antiseptic Baby Powder ...	9d.	6/-
1/1	Garfield Tea ...	1/1	8/8
2/2	" " ...	2/2	17/4
4/4	" " ...	4/4	34/8
9½d.	Grossmith's Phulnana, Shem - el - Nessim, Hasu-no-Hana, and Wana - Raneer Face Powders ...	9½d.	6/6
1/1	Oppenheimer's Maglactis	1/1	10/5
3/-	Teasdale's Chlorodyne	3/-	29/-
5/-	" "	5/-	48/-

## ALL CHEMISTS SHOULD STOCK **ABDINE**

### THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Over 40 Years' Reputation.  
"ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in Packets, 1½d. each; Boxes of 13 packets, 1/6.  
Wholesale Prices on application. Sample Box 1/6.  
D. M'CLASHAN, M.P.S., Abdine Works, Westfield Road, EDINBURGH.

## " **HOLMIER** " BRAND COMPOUND SACCHARIN TABLETS.

One is equal to a teaspoonful of sugar.  
Made with American 550 Saccharin. 16/- per 1,000 Reg. post paid.  
Cash with order.

MEYER, Manufacturing Chemists,  
GRAVELLY HILL, BIRMINGHAM.

## Developing Printing Enlarging

PRICES FREE. PROMPTNESS.

Wanted—all kinds of Folding Cameras,  
plate or film. Cash on receipt.

MARTIN, Chemist, SOUTHAMPTON.

## THERE IS MONEY

to be made in the Photographic Department of your business,  
but the Developing, &c., must be WELL and QUICKLY done.  
We are experts, and return all work promptly. We pay return  
postage on all orders of 2/- or over. Send for our list and  
give us a trial.

STEAD & CO., Photographic Experts, Duke St., BRIGHTON.

## DAMANCY & CO., Harrow, SWEETENING TABLETS.

To relieve ourselves of the work of distribution and thus  
to be able to devote more attention to the making only of  
these tablets, we have entered into contracts with wholesale  
houses to take all we make during this month (July). If  
we find this to answer we will continue it, but as our fitting  
shop has been hard at it getting all our machines into  
thorough working order, we may shortly have a surplus  
beyond what these contracts and our present orders call  
for, and this surplus we will offer in due course.

# SACCHARINE TABLETS

(¼ gr. 330 in 1)

		£	s.	d.	
1 lb.	- -	7	10	0	per lb.
2 "	- -	7	9	6	"
3 "	- -	7	9	0	"
5 "	- -	7	8	6	"
10 "	- -	7	8	0	"
20 "	- -	7	7	6	"
50 "	- -	7	7	0	"
100 "	- -	7	6	6	"

CASH WITH ORDER. CARRIAGE PAID.

**RICHARD HOULT,**  
73 ELFDOR GROVE - LEEDS.

## R. GIBBINS & CO.

— WHOLESALE —  
*Tablet Manufacturers,*

1 Birkbeck Rd., Kingsland, London, E. 8

Price of Saccharin Tablets  
can be had on application.

## SACCHARIN TABLETS

½ grain, 330 in 1.

PRICE 150/- PER POUND.

(average 7,000)

Cash with order. Post paid.  
Special rates for quantities.  
All orders are executed same  
day as received.

**WALTON, CHEMIST,**  
**BATLEY CARR.**



**REDDGRAVE, BUTLER & CO.**

**ESSEX HOUSE, STRATFORD, E. 15.**

*Telephone : Stratford 799.*

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**PARAFFINUM LIQUIDUM, B.P. WHITE OILS.**

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**WE CAN OFFER FOR IMMEDIATE  
DELIVERY**

**GENUINE RUSSIAN  
PARAFFINUM LIQUIDUM**

**B.P**

**(BRITISH REFINED.)**

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**SAMPLES and PRICES UPON APPLICATION.**

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**WE DO NOT NEED A PRIORITY CERTIFICATE FOR DELIVERY OF THIS MATERIAL.**



# Three Plain Questions



Do you know that **FIVE** pounds' worth of **BELL'S CEREGEN**, the well-known Proteid Food, will give you a protected face value profit of **£5 8s. 6d.**?

Do you know that this preparation was the first All-British Nerve Food to be placed on the market, and, because of its **purity, palatability and proteid value**, is still in the front rank?

Can you afford to miss an opportunity of giving the utmost satisfaction to your customers, and earning a handsome profit for yourself?

**FOR, REMEMBER EACH 6s. 6d. TIN YOU SELL GIVES YOU 3s. 6d. PROFIT.**

**John Bell, Hills & Lucas, Ltd.**

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US  
NOW**

**OXFORD WORKS,  
Tower Bridge Road, LONDON, S. E. 1.**

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*Atoleine Sedit London.*

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*Hop 3584 3585*

**Disinfectants**

Fluid or Powder Form  
with guarantee of  
Tar Acids or  
Co-efficiency.

**Liquid  
Sheep Dip**

Paste &  
Block  
form  
also  
supplied.

*These Goods may be  
offered under Chemists'  
Own Name and Brand.*

**BURT, BOULTON & HAYWOOD, LTD.,**

**64 CANNON ST.,  
LONDON, E.C.**

*Chemical Works: Prince Regent's Works, Silvertown, E.*

**"IALINE"—LYSOL**

BRITISH

MADE

Supplied  
in 4 and 8 oz.  
bottles, also  
casks and drums.

## Bournville Cocoa & Chocolate

"THE VERY FINEST PRODUCTS"—*The Medical Mag.*

MADE BY CADBURY.



**PATTINSON'S**

**MAGNESIA**

CARBONATE, CALCINED AND FLUID.

**THE WASHINGTON CHEMICAL CO., LIM.,** WASHINGTON, COUNTY DURHAM, **ENGLAND.**

London Agents—**Messrs. CLIFFORD CHRISTOPHERSON & CO.,** 6 Lloyd's Avenue, London, E.C.